

## CURRICULUM VITAE

### **VIJAYA KANCHERLA, MS, PhD**

Department of Epidemiology  
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### **EDUCATION**

- Dec 2010      The University of Iowa, Iowa City, Iowa  
Doctor of Philosophy (PhD) in Epidemiology  
PhD Thesis: Epidemiology of Choanal Atresia – The National Birth Defects  
Prevention Study (Advisor: Paul A. Romitti, PhD)
- Aug 2024      Southern Illinois University at Carbondale, Illinois  
Master of Science (MS) in Community Health Education
- Dec 2000      NTR University of Health Sciences, Andhra Pradesh, India  
Bachelor of Homeopathic Medicine and Surgery (BHMS), Dec 2000

### **PROFESSIONAL EXPERIENCE**

**Associate Professor, Dec 2023 – Continued.**

**Assistant Professor, Aug 2017 – Dec 2023**

**Instructor, Aug 2012 – Jul 2017**

**Department of Epidemiology, Rollins School of Public Health, Emory University**

*Teaching:*

- Birth Defects and Developmental Disabilities: Methods in Surveillance, Epidemiology, and Prevention (EPI 590R)  
2 Credit Hours. Fall (2024)
- R Programming Bootcamp (EPI 590U)  
1 Credit Hour. Fall (2019)
- Maternal and Child Health Leadership Collaborative Seminar (EPI 508)  
1 Credit Hour. Fall (2018-Ongoing)
- Data Sources and Methods in Maternal and Child Health Epidemiology (EPI 565)  
2 Credit Hours. Spring (2018, 2020-Ongoing)
- Fundamentals of Epidemiology (EPI 504) (2 Sections)  
2 Credit Hours. Spring (2017-Ongoing)
- Programming in SAS & R (EPI 534) (2 Sections)

- 2 Credit Hours. Fall (2019)
- Programming in SAS (EPI 533)  
1 Credit Hour. Spring (2014-2022)
- Fundamentals of Epidemiology (AEPI 504D)  
2 Credit Hours. Spring (2018-2021)
- Introduction to Public Health Surveillance (AEPI 515D)  
2 Credit Hours. Fall (2016-Ongoing)
- Maternal and Child Health Epidemiology (AEPI 545D)  
2 Credit Hours. Spring (2014-2017)
- Programming in SAS (EPI 533)  
1 Credit Hour. Fall (2016-2019)
- Epidemiology in Action – SAS and R Programming (2019-2021)

*Research:*

- Birth defects surveillance, epidemiology, prevention, outcomes, and policy
- Maternal and child health
- Global folic acid preventable-spina bifida and anecephaly research, prevention, and policy
- Pharmacoepidemiology of birth defects
- Survival, health care utilization, outcomes, and mortality associated with neural tube defects

*Responsibilities:* Teaching, research, literature review, data management and analysis, project design, publications in peer-reviewed journals, and presentations at national and international conferences, grant writing, public health service and advocacy.

**Deputy Director, Aug 2017 – Continued.**

**Epidemiologist, Aug 2012 – Jul 2017**

**Center for Spina Bifida Prevention, Rollins School of Public Health, Emory University**

*Responsibilities:* Epidemiology, global health, prevention policy, science-based advocacy for prevention of neural tube defects.

**Associate Director, Applied Epidemiology Track, Aug 2019 – Continued.**

**Executive MPH Program, Emory University Rollins School of Public Health, Atlanta, GA**

*Responsibilities:*

- Recruit potential students
- Assist in setting admissions criteria for students
- Assist the program in setting Epidemiology curriculum and competencies
- With assistance from EMPH leadership, convene annual track faculty meeting
- Mentorship and student advisement to AEPI students

**Guest Researcher, Jun 2020 - Current**

Birth Defects Branch

National Center on Birth Defects and Developmental Disabilities (NCBDDD)

US Centers for Disease Control and Prevention, Atlanta, GA

*Responsibilities:*

- Epidemiological analysis of spina bifida mortality studies
- Epidemiology of birth defects and developmental disabilities

### **Pierre Decouflé Post-Doctoral Fellowship, Jan 2010 - Jul 2012**

Developmental Disabilities Branch

National Center on Birth Defects and Developmental Disabilities (NCBDDD)

US Centers for Disease Control and Prevention, Atlanta, GA

*Research:*

- Surveillance and epidemiology of developmental disabilities
- Prevalence of autism spectrum disorders among children with vision impairment – Metropolitan Atlanta Developmental Disabilities Surveillance Program
- Predictors for dental care utilization among young adults with intellectual disabilities – Metropolitan Atlanta Developmental Disabilities Surveillance Program Follow Up Study
- Costs of care among children with cerebral palsy and intellectual disabilities – MarketScan Medicaid Study
- Validation of diagnosis reported in Medicaid for selected developmental disabilities
- Medicaid resource utilization among adults with selected developmental disabilities

*Responsibilities:* Research, literature review, data management and analysis, project design, publications in peer-reviewed journals, and presentations at national and international conferences, public health service

*Mentors:* Marshalyn Yeargin-Allsopp, MD; Kim Van Naarden Braun, PhD

### **Graduate Teaching Assistant, Aug 2009 - Dec 2009**

Department of Epidemiology, The University of Iowa, Iowa City, IA

Course: Introduction to Epidemiology Data Analysis with Computer (2 Credit Hours)

*Responsibilities:*

- Teaching and grading

### **Doctoral Research Fellow, Aug 2006 - Dec 2009**

Iowa Registry for Congenital and Inherited Disorders (IRCID), The University of Iowa, Iowa City, IA

*Research:*

- Surveillance and epidemiology of birth defects
- Epidemiology of choanal atresia in the United States, The National Birth Defects Prevention Study (funded by NCBDDD, CDC)
- Epidemiology of Talipes equinovarus in Iowa, IRCID
- Quality of life studies in selected birth defects (funded by CDC and the National Foundation for Facial Reconstruction)
- Surveillance and epidemiology of birth defects supporting IRCID surveillance and research activities

*Responsibilities:* Research, literature review, data management and analysis, project design, publications in peer-reviewed journals, and presentations at national conferences

*Mentor:* Paul A. Romitti, PhD

### **Graduate Research Assistant, Aug 2004 - Jul 2006**

Department of Epidemiology, The University of Iowa, Iowa City, IA

*Research:*

- Cancer Epidemiology

- Meta-analysis of sun exposure and skin cancer (funded by National Cancer Institute)
- Responsibilities:* Literature review and data abstraction from published epidemiological studies on the sun exposure and skin cancer, data coding and data entry, statistical data analysis, meta-analysis, and manuscript preparation
- Mentor:* Leslie A. Dennis, PhD

#### **Graduate Research Assistant, Aug 2005 - Jul 2006**

Upper Midwest Center for Public Health Practice, The University of Iowa, Iowa City, IA

*Research:*

- Evaluation and outcomes research in public health practice
- Process evaluation of Train-the-Trainer Program
- Evaluation of Emergency Preparedness Program

*Responsibilities:* Literature review, data coding and data entry, operational research, process evaluation, outcomes evaluation, manuscript preparation

*Supervisor:* Tanya Uden-Holman, PhD

#### **Graduate Research Assistant, Aug 2003 - Jul 2004**

Center for Children's Health Media, Southern Illinois University at Carbondale, Carbondale, IL

*Research:*

- Health education and evaluation of health education interventions
- Kids Health Kids Poll Study (funded by NEMOURS)

*Responsibilities:* Literature review, survey questionnaire design, pilot study design and implementation, data entry, data analysis, manuscript preparation, presentation at national conference

*Supervisors:* David A. Birch, PhD; Stephen L. Brown, PhD

#### **Graduate Teaching Assistant, Aug 2001 - Aug 2003**

Department of Health Education, Southern Illinois University at Carbondale, Carbondale, IL

*Responsibilities:*

Instructor

Course: Introduction to Health (2 Credit Hours)

- Independently taught 3 classes for four semesters with a class size of 30 students
- Developed 14-week curriculum and lesson plans and assignments
- Mentoring undergraduate students

*Supervisor:* David A. Birch, PhD.

#### **Resident Physician, Dec 1999 - Jul 2001**

- Government Homeopathic Hospital, Hyderabad, Andhra Pradesh, India
- Government Rural Health Clinic and Primary Care Center, Taluka Dubbak, District Medak, Andhra Pradesh, India

*Responsibilities:* Clinical practice and community health promotion in urban and rural clinics, health education and intervention, public health research and practice

*Supervisor:* Sohan Singh, MD

## **INTERNSHIPS**

- **University of Iowa Area Health Education Centers, The University of Iowa, Iowa City, IA**  
**Aug 2008 - Jan 2009**  
*Responsibilities:* Design and implementation of an electronic survey to assess center needs, data coding and data entry, statistical data analysis, periodic summary reports, manuscript preparation  
*Supervisor:* Tanya Uden-Holman, PhD
- **Southern Illinois Health Care, Carbondale, IL**  
**May 2004 - Aug 2004**  
*Responsibilities:* Compiled community health profiles using IPLAN data, data management, statistical analysis, summary report preparation and dissemination to participating centers.
- **Center for Rural Health and Social Service Development, Carbondale, IL**  
**May 2002 - Aug 2002**  
*Responsibilities:* Literature review and data analysis of selected rural health projects, literature view, data analysis, prepare summary reports and center briefs using periodic data updates.  
*Supervisor:* Ainon Mirza, PhD
- **Sushma Hospital, Siddipet, Andhra Pradesh, India**  
**Jan 2001 - Jul 2001**  
*Responsibilities:* Clinical observership  
*Supervisor:* Dr. Chandra Reddy, MBBS, FRCS
- **Whole Health Clinic, Himayathnagar, Hyderabad, Andhra Pradesh, India**  
**Jun 1997 - Jun 2000**  
*Responsibilities:* Clinical observership  
*Supervisor:* Dr. Prashant Nanduri, MD.
- **Government Hospital, Dilsukhnagar, Hyderabad, Andhra Pradesh, India**  
**Jun 1996 - June 1999**  
*Responsibilities:* Clinical observership  
*Supervisor:* Director, Government Hospital, Dilsukhnagar, Hyderabad, India

## **RESEARCH INTERESTS**

- Birth defects surveillance, epidemiology, prevention, outcomes, and policy
- Reproductive and perinatal epidemiology
- Maternal and child health
- Nutritional epidemiology in women of reproductive age
- Surveillance of biomarkers for maternal nutritional status during pregnancy
- Preconception health
- Implementation science in prevention of birth defects
- Pharmacoepidemiology of birth defects
- Global health issues in reproductive, maternal, newborn, child and adolescent health
- Health outcomes research
- Food fortification with micronutrients

## **PEER-REVIEWED PUBLICATIONS**

**Published Manuscripts** (#indicates student thesis mentee/research assistant)

1. Wagh K, **Kancherla V**, Dorsey A, Pachon H, Oakley GP Jr. 2024. An update on the status of global prevention of folic acid-preventable spina bifida and anencephaly. *Birth Defects Res*;116(5):e2343.
2. Raskind-Hood C, **Kancherla V**, Rodriguez III FH, Sullivan AM, Lui GK, Botto L, Feldkamp ML, Li JS, D'Ottavio A, Farr SL, Glideweel J, Book WM. Racial and Ethnic Disparities in Healthcare Utilization and Mortality by Neighborhood Poverty among Individuals with Congenital Heart Defects, four U.S. Surveillance Sites, 2011-2013. *JAHA* (2023).
3. Pattisapu JV, Manda VS, Rao MN, Kajana PM, **Kancherla V**, Bhaganagarapu HR, Veerappan V, Achuith E, Mannar V, Diosady L, Oakley GP Jr. (2024). Folic Acid-Fortified Iodized Salt and Serum Folate Levels in Reproductive-Aged Women of Rural India: A Nonrandomized Controlled Trial. *JAMA Netw Open*;7(3):e241777.
4. Yesehak B, Dorsey A, Zewdie K, **Kancherla V**, Ashagre Y. (2023). Folic acid prescription practice for high-risk prevention of spina bifida at a tertiary care hospital in Addis Ababa, Ethiopia. *J Ped Rehab Med*, Jan,1-6.
5. Madrid L, Vyas KJ, **Kancherla V**, Leulseged H, Suchdev PS, Bassat Q, Sow SO, Arifeen SE, Madhi SA, Onyango D, Ogbuanu I, J. Scott JAG, Blau D, Mandomando I, Keita AM, Gurley ES, Mahtab S, Akelo V, Sannoh S, Tilahun Y, Varo R, Onwuchekwa U, Rahman A, Adam Y, Omore R, Lako S, Xerinda E, Islam KM, Wise A, Tippet-Barr BA, Kaluma E, Ajanovic S, Kotloff KL, Hossain MZ, Mutevedzi P, Tapia MD, Rogena E, Moses F, Whitney CG, Assefa N. (2023). Neural tube defects as a cause of death among stillbirths and children under five in Sub-Saharan Africa and South Asia – An analysis of the CHAMPS network. *Lancet Global Health*;11(7):e1041-e1052.
6. Ghotme KA, Arynchyna-Smith A, Maleknia P, **Kancherla V**, Pachon H, Van der Wees P, Bocchino JM, Rosseau G. (2023). Barriers and facilitators to the implementation of mandatory folate fortification as an evidence-based policy to prevent neural tube defects. *Child Nerv Sys*;39(7):1805-1812.
7. Lachiewicz M#, Hailstorcks T, **Kancherla V**. (2023). Employment status in the United States and access to highly and moderately effective contraceptives: An analysis of the National Survey of Family Growth in the Post-Affordable Care Act, Pre-COVID-19 era. *Prev Med*;33:102177.
8. **Kancherla V**. (2023). Neural tube defects: a review of global prevalence, causes, and prevention. *Child's Nervous Sys*;39(7):1703-1710.
9. Singer TG, **Kancherla V**, Oakley GP Jr. (2022). Paediatricians as champions for ending folic acid-preventable spina bifida, anencephaly globally. *BMJ Paediatrics Open*;6:e001745.
10. **Kancherla V**, Ma C, Purkey N, Hintz S, Lee HC, Grant G, Carmichael S. (2022). Factors associated with transfer distance from birth hospital to repair hospital for first surgical repair among infants with myelomeningocele in California. *Am J Perinatol*. doi: 10.1055/s-0042-1760431. Epub ahead of print.
11. **Kancherla V\***, Sundar M\*, Tandaki L, Lux A, Bakker MK, Bergman JEH, Bermejo-Sánchez E, Canfield MA, Dastgiri S, Feldkamp ML, Gatt M, Groisman B, Hurtado-Villa P, Kallén K, Landau D, Lelong N, Lopez-Camelo J, Martinez LE, Mastroiacovo P, Morgan M, Mutchinick OM, Nance AE, Nembhard WN, Pierini A, A Šípek A, Stallings EB, Szabova E, Tagliabue G, Wertelecki W, Zarante I, Rissmann A. (2022). Prevalence and mortality among children with anorectal malformation: A multi-country analysis. *Birth Defects Res*;115(3):390-404.

12. Suhl J, Conway KM, Rhoads A, Langlois PH, Feldkamp ML, Michalski AM, Oleson J, Sidhu A, Scholz T, **Kancherla V**, Obrycki J, Mazumdar M, Romitti PA, and the National Birth Defects Prevention Study. (2023). Pre-pregnancy exposure to dietary arsenic and congenital heart defects. *Birth Defects Res*;115(1):79-87.
13. Koning M, Koning J, **Kancherla V**, O'Neill P, Dorsey A, Zewdie K, Yesehak B, Ashagre Y, Woldermarium M, Biluts H. (2023). A case study of ReachAnother Foundation as a change champion for developing spina bifida neurosurgical care and advocating for primary prevention in Ethiopia. *Child Nervous Sys*;39(7):1783-1790.
14. Shlobin NA, Roach JT, **Kancherla V**, Caceres A, Ocal E, Ghotme K, Lam S, Park KB, Rosseau G, Blount JP, Boop FA, on behalf of the Global Alliance for the Prevention of Spina Bifida F (GAPSBI-F). (2022). Letter to Editor – Response: The Role of Neurosurgeons in Global Public Health: The Case of Folic Acid Fortification of Staple Foods to Prevent Spina Bifida. *J Neurosurg Pediatr*;31(1):8-15.
15. **Kancherla V**, Wagh K, Priyadarshini P, Pachón H, Oakley GP Jr. (2022). A global update on the status of prevention of folic acid-preventable spina bifida and anencephaly in year 2020: 30-year anniversary of gaining knowledge about folic acid's prevention potential for neural tube defects. *Birth Defects Res*;114(20):1392-1403.
16. Shlobin NA, Roach JT, **Kancherla V**, Caceres A, Ocal E, Ghotme K, Lam S, Park KB, Rosseau G, Blount JP, Boop FA, on behalf of the Global Alliance for the Prevention of Spina Bifida F (GAPSBI-F). (2022). The Role of Neurosurgeons in Global Public Health: The case of folic acid fortification of staple foods to prevent spina bifida. *J Neurosurg Pediatr*;31(1):8-15.
17. Rondini K<sup>#</sup>, Xu W, Chan A, Pachón H, **Kancherla V**. (2023). National mandatory grain fortification legislation decreases anemia prevalence among non-pregnant women of reproductive age: Findings from multiple Demographic and Health Surveys. *J of Nutr*;152(12):2922-2930.
18. Olusanya BO, **Kancherla V**, Ugbo FA, Davis AC, on behalf of the Global Research on Developmental Disabilities Collaborators (GRDDC). (2022). Global and regional prevalence of disabilities among children and adolescents: Analysis of findings from global health databases. *Front Public Health*;10:977453.
19. **Kancherla V**, Botto LD, Rowe LA, Shlobin NA, Caceres A, Arynchyna-Smith A, Zimmerman K, Blount J, Kibruyisfaw Z, Ghotme KA, Karmarkar S, Fieggen G, Roozen S, Oakley GP Jr., Rosseau G, Berry RJ. (2022). Mandatory food fortification with folic acid – Authors' reply. *Lancet Glob Health*;10(10): e1391-e1392.
20. Guzman I<sup>#</sup>, Kramer M, **Kancherla V**. (2022). Association between pre-pregnancy diabetes mellitus and pre-conception folic acid supplement use by Hispanic ethnicity: Findings from Georgia, New York City, and Puerto Rico PRAMS 2016-2018. *Birth Defects Res*;114(15):873-884.
21. Olusanya BO, Gladstone MJ, Wright SM, Hadders-Algra, Yun Boo N, Nair MKC, Almasri N, **Kancherla V**, Samms-Vaughan ME, Kakooza-Mwesige A, Smythe T, Castillo-Hegy CD, Halpern R, De Camargo OK, Arabloo J, Eftekhari A, Shaheen A, Gulati S, Williams AN, Olusanya JO, Wertlied D, Newton CR, Davis AC. (2022). Cerebral palsy and developmental intellectual disability in children younger than 5 ywars: Findings from the GBD-WHO Rehabilitation Database 2019. *Front Pub Health*;10:894546.
22. Finn J<sup>#</sup>, Suhl J, **Kancherla V**, Conway KM, Oleson J, Sidhu A, Fisher S, Rasmussen S, Romitti PA, and the National Birth Defects Prevention Study. (2022). Maternal cigarette

- smoking and alcohol consumption and congenital diaphragmatic hernia. *Birth Defects Res*;114(13):746-758.
23. Suhl J, Conway KM, Rhoads A, Langlois PH, Feldkamp ML; Michalski AM; Oleson J, Sidhu A; **Kancherla V**, Obrycki J, Mazumdar M; Romitti PA; the National Birth Defects Prevention Study. (2022). Pre-pregnancy exposure to arsenic in diet and non-cardiac birth defects. *Public Health Nutr*; 27:1-13.
  24. **Kancherla V**, Botto LD, Rowe LA, Shlobin NA, Caceres A, Arynchyna-Smith A, Zimmerman K, Blount J, Kibruyisfaw Z, Ghotme KA, Karmarkar S, Fieggen G, Roozen S, Oakley GP Jr., Rosseau G, Berry RJ. (2022). Preventing birth defects, saving lives, and promoting health equity: An urgent call to action for universal mandatory food fortification with folic acid. *Lancet Glob Health*;10(7):e1053-e1057.
  25. Gili JA, López Camelo JA, Nembhard WN, Bakker M, de Wall HEK, Stallings EB, **Kancherla V**, Bermejo-Sánchez E, Contiero P, Dastgiri S, Feldkamp M, Nance A, Gatt M, Martínez L, Canessa MA, Groisman B, Hurtado-Villa P, Källén K, Landau D, Lelong N, Morgan M, Arteaga-Vázquez J, Pierini P, Rissmann A, Sipek A, Szabova E, Wertelecki W, Zarante I, Canfield MA, Mastroiacovo P. (2022). Analysis of birth prevalence and case fatality rates among neonates with congenital hydrocephalus. A 2000-2014 multi-country registry-based study. *Birth Defects Res*;114(12):631-644.
  26. **Kancherla V**, Roos N, Walani S. (2022). Relationship between achieving Sustainable Development Goals and promoting optimal care and prevention of birth defects globally. *Birth Defects Res*;114(14):773-784.
  27. **Kancherla V**, Tandaki L, Sundar M, Lux A, Bakker MK, Bergman JEH, Bermejo-Sánchez E, Canfield MA, Feldkamp ML, Groisman B, Hurtado-Villa P, Kallén K, Landau D, Lelong N, Lopez-Camelo J, Mastroiacovo P, Morgan M, Mutchinick OM, Nance A, Nembhard WN, Pierini A, Šípek A, Stallings EB, Szabova E, Wertelecki W, Zarante I, Rissmann A. (2022). A multi-country analysis of prevalence and mortality among neonates and children with bladder extrophy. *Am J Perinatol*;29:10.
  28. Jiwok JC<sup>#</sup>, Adebowale AS, Wilson I, **Kancherla V**, Umeokonkwo CD. (2022). Patterns of diarrhoeal disease among under-five children in Plateau State, Nigeria, 2013-2017. *BMC Public Health*;21(1):2086.
  29. **Kancherla V**, Ma C, Grant G, Lee HC, Hintz S, Carmichael S. (2021). Factors associated with early neonatal and first-year mortality in infants with myelomeningocele in California from 2006-2011. *Am J Perinatol*;38(12):1263-1270.
  30. Mowla S<sup>#</sup>, Gissler M, Raisanen S, **Kancherla V**. (2021). Adequacy of prenatal care use among pregnant women with epilepsy: a population-based, cross-sectional study, Finland, 2000-2014. *Seizure*;92:82-88.
  31. **Kancherla V**, Mowla S, Raisanen S, Gissler M. (2021). Early neonatal mortality and its descriptive epidemiology among infants with spina bifida in Finland: A population registry-based study. *Am J Perinatol*; doi: 10.1055/s-0041-1733957. Online ahead of print.
  32. Brasfield J<sup>#</sup>, Goulding S, **Kancherla V**. (2021). Breastfeeding and attention deficit/hyperactivity disorder in United States preschool children. *Res Dev Disabil*;115:103995.
  33. **Kancherla V**, Chadha M, Rowe L, Thompson A, Jain S, Walters D, Martinez H. (2021). Reducing the burden of anemia and neural tube defects in low- and middle-income countries: An analysis to identify countries with an immediate potential to benefit from large-scale mandatory fortification of wheat flour and rice. *Nutrients*;13(1):244.



34. Martinez H , Pachón H, **Kancherla V**, Oakley GP Jr. (2021). Food Fortification with Folic Acid Prevents Spina Bifida and Anencephaly: A Need for Paradigm Shift in Evidence Evaluation for Policy-Making. *Am J Epidemiol*;190( 10):1972-1976.
35. **Kancherla V**, Koning J, Hagos M, Mersha W, Kibruyisfaw Z, Addisalem B, Koning M. (2020). Projected impact of mandatory food fortification with folic acid on neurosurgical capacity needed for treating spina bifida in Ethiopia. *Birth Defects Res*;113(5):393-398.
36. **Kancherla V**, Wagh K, Pachón H, Oakley GP Jr. (2020). A 2019 global update on folic acid-preventable spina bifida and anencephaly. *Birth Defects Res*;113(1):77-89.
37. Politis MD, Bermejo Sanchez E, Canfield MA, Contiero P, Cragan J, Dastgiri S, De Walle HEK, Feldkamp M, Nance A, Groisman B, Gatt M, Benavides Lara A, Hurtado Villa PM, Kallen K, Landau D, Lelong N, Lopez Camelo J, Martinez L, Morgan M, Mutchinick O, Pierini A, Sipek A, Rissman A, Szabova E, Wertelecki W, Zarante I, Bakker MK, **Kancherla V**, Mastroiacovo P, and Nembhard WN. (2021). Prevalence and mortality among children with congenital diaphragmatic hernia: a multicountry study. *Ann Epidemiol*;56:61-69.e3.
38. Nembhard WN, Bergman, JEH, Politis MD, Arteaga-Vázquez J, Bermejo-Sánchez E, Canfield MA, Cragan JD, Dastgiri S, Walle HEK, Feldkamp ML, Nance A, Gatt M, Groisman B, Hurtado-Villa, Kallén K, Landau D, Lelong N, Lopez-Camelo J, Laura Martinez L, Margery Morgan M, Pierini A, Rissmann A, Šipek A, Szabova E, Tagliabue G, Wertelecki W, Zarante I, Bakker MK, **Kancherla V**, Mastroiacovo P. (2020). A multi-country study of prevalence and early childhood mortality among children with omphalocele. *Birth Defects Res*;112(20):1787-1801.
39. Serra MC, **Kancherla V**, Khakharia A, Allen LL, Phillips LS, Vaughan CP. (2020). Long-Term Metformin Treatment and Risk of Peripheral Neuropathy in Older Veterans. *Diab Res Clin Prac*;170:108486.
40. **Kancherla V**, Tsang B, Wagh K, Dixon M, Oakley GP Jr. (2020). Modeling shows high potential of folic acid-fortified salt to accelerate global prevention of major neural tube defects. *Birth Defects Res*;112( 18):1461-1474.
41. Wegner C\*, **Kancherla V\***, Lux A, Köhn A, Bretschneider D, Freese K, Heiduk M, Redlich A, Schlee D, Jorch G, Rissmann A. (2020). Periconceptional folic acid use in German women over the last 19 years: results from cross-sectional survey. *Birth Defects Res*;112(14):1057-1066 (\*both authors contributed as primary authors).
42. **Kancherla V**, Pachón H, Blencowe H, Martinez H, Oakley GP Jr, Berry RJ. (2020). The fallacy of using administrative data in assessing the effectiveness of food fortification. (2020). Comment on: "Folic Acid Fortification and Neural Tube Defect Risk: Analysis of the Food Fortification Initiative Dataset, *Nutrients* 2020, 12, 247" *Nutrients*;12(5):1352.
43. Olusanya BO, Wright SM, Nair MKC, Boo N, Halpern R, Kuper H, Abubakar AA, Almasri NA, Arabloo J, Arora NK, Backhaus S, Berman BD, Breinbauer C, Carr G, de Vries PJ, Castillo-Hegyí CD, Eftekhari A, Gladstone MJ, Hoekstra RA, **Kancherla V**, Mulaudzi MC, Kakooza-Mwesige A, Ogbo FA, Olsen HE, Olusanya JO, Pandey A, Samms-Vaughan ME, Servili C, Shaheen A, Smythe T, Wertlieb D, Williams AN, Newton CRJ, Davis AC, Kassebaum NJ and on behalf of the Global Research on Developmental Disabilities Collaborators (GRDDC). (2020). Global and regional burden of childhood epilepsy, intellectual and sensory disabilities. *Pediatrics*;146( 1):e20192623.
44. Rasmussen SA, **Kancherla V**, Conover R. (2020). Joint position statement on vaccines from the Society for Birth Defects Research and Prevention and the Organization of Teratology Information Specialists. *Birth Defects Res*;112(7):527-534.

45. Manandhar M<sup>#</sup>, Baydoun H, **Kancherla V**. (2020). Obesity and blood folate levels among women of reproductive age for prevention of neural tube defects: National Health and Nutrition Examination Survey 2008-2011. *Birth Defects Res*;112(6):490-502.
46. **Kancherla V**, Ma C, Grant G, Lee HC, Shaw GM, Hintz S, Carmichael SL. (2020). Factors associated with timeliness of surgical repair among infants with Myelomeningocele: California Perinatal Quality Care Collaborative, 2006-2011. *Am J Perinatol*;37(12):1234-1242.
47. Louden AR<sup>#</sup>, Suhl J, **Kancherla V**, Conway KM, Makelarski J, Howley MM, Hoyt AT, Olney RS, Olshan AF, Romitti PA, and National Birth Defects Prevention Study. (2020). Association between maternal periconceptional alcohol consumption and neural tube defects: Findings from the National Birth Defects Prevention Study, 1997-2011. *Birth Defects Res*;112(5):427-439.
48. Young M, Guo J, Williams A, Whitfield K, Nasrin S, **Kancherla V**, Crider K, Pfeiffer C, Serdula M on behalf of the BRINDA working group. (2020). Interpretation of vitamin B-12 and folate concentrations in population-based surveys does not require adjustment for inflammation: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. *Am J Clin Nutr*;111(4):919-926.
49. Mowla S<sup>#</sup>, Gissler M, Räisänen S, **Kancherla V**. (2020). Association between maternal pregestational diabetes mellitus and spina bifida: A population-based case-control study, Finland, 2000-2014. *Res Birth Defects Res*;112(2):186-195.
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## Manuscripts under Review

103. Asrani RP, Phillips V, Rajaram R, Varvaro V, Bhalla P, Oakley GP Jr., **Kancherla V**. Cost-effectiveness and cost-benefit analysis of folic acid fortification for prevention of neural tube defects in India. *SSM – Health Systems* (2024).
104. **Kancherla V**, Rhoads A, Conway KM, Suhl J, Langlois PH, Hoyt AT, Shaw GM, Pruitt S, Moore CA, Luben TJ, Michalski A, Feldkamp ML, Romitti PA, and the National Birth Defects Prevention Study. Maternal periconceptional exposure to drinking water disinfection by-products and neural tube defects in offspring. *Birth Defects Res* (2023).
105. Dorsey A, Downing KF, Danielson M, **Kancherla V**, Oster ME, Farr SL. Mental, behavioral, and developmental disorders (MBDDs) among U.S. children with and without heart conditions, 2016-2021. *Am Heart J* (2023)
106. Vera-Colón M, Huerta-Montañez G, **Kancherla V**, Anto-Ocrah M, Michelle Myer M, Silva M. Society for Birth Defects Research and Prevention Symposium: Health disparities within communities of color. *Birth Defects Res* (2024).
107. Zewdie K, Yesehak B, Dorsey A, Akililu YB, Belete A, Ashagre Y, Ahmed Y, O'Neill PO, **Kancherla V**. Timeliness of surgical repair among infants with myelomeningocele in a tertiary care hospital in Addis Ababa, Ethiopia. *Neurosurg* (2024).
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110. **Kancherla V**. World Health Assembly Resolution for Preventing Micronutrient Deficiencies and Associated Neural Tube Defects – A Case Study of Global Partnerships for a Successful Resolution Adoption. *Birth Defects Res* (2024).
111. LaPointe S, Beagle LE, Zheng X, **Kancherla V**, Mutic A, Chang HH, Gaskins AJ. Associations between Exposure to Extreme Ambient Heat and Neural Tube Defects in Georgia, USA: A Population-Based Case-Control Study. *Lancet Planet Health* (2024)

## Research in Progress

112. Arynchyna AS, Andrzej K, **Kancherla V**, Becker D, Arynchyn A, Aban A. Survey-based assessment of impact of spina bifida on neurosurgical workforce worldwide: comparison by World Bank income regions.
113. **Kancherla V**, Mahlerbe H, Christianson A, Randall P. Preventing neural tube defects: South African perspectives on folic acid staple food fortification.
114. **Kancherla V**, Bhalla P, Dutta S, Mehta R, Ravindra V, Karmarkar S. Food fortification misses its beneficial impact in India due to regulation promoting inadequate levels of folic acid and vitamin B12.
115. Parker J, Amanuel K, **Kancherla V**, Pachón H. Systematic review of folic acid associated outcomes.
116. Wood HM, Newsome K, Zhang A, Dicianno BE, **Kancherla V**, Riley C. Causes of death among adults with spina bifida: A review of the literature.
117. **Kancherla V**, Phillips V, Cragan J, Gray E, Reefhuis, Oakley GP Jr., Riley C. A population-based study to investigate the cause of death in individuals with spina bifida - The Metropolitan Atlanta Congenital Disorders Program, 1979-2018.

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122. **Kancherla V**, Elani H, Raskind-Hood C, Book W, Hoffman T. Dental care utilization among individuals with congenital heart defects in Georgia.
123. Rink D<sup>#</sup>, Raskind-Hood C, Book W, **Kancherla V**. Physiological and anatomical classification as a predictor for first year hospitalization and emergency room visits among infants with congenital heart disease.
124. Kancherla V, Raskind-Hood C, Book W. Influence vaccine uptake among individuals with congenital heart defects in Georgia Medicaid enrollees.
125. Alam Z<sup>#</sup>, Raskind-Hood C, Hoffman T, **Kancherla V**, Book W. Cerebrovascular accident in congenital heart disease.
126. Kapera O<sup>#</sup>, Raskind-Hood C, Book W, **Kancherla V**. Association of heart failure and pulmonary hypertension among individuals with coexisting congenital heart defects and Down syndrome.
127. Rogers P, Cranmer J, Heran B, **Kancherla V**, Young M. Determinants of exclusive breastfeeding practices among low birthweight infants in Ethiopia.
128. **Kancherla V**, Abebe G, Cranmer J, Oakley GP Jr. Micronutrient status among women of reproductive age in Bahir Dar, Ethiopia during conflict.
129. **Kancherla V**, Pattisapu J, Oakley GP Jr. Micronutrient status among tribal populations in Southern India.

## **TEACHING-RELATED PUBLICATIONS**

**Kancherla V** (2021). Small Teaching Report. Application of peer-to-peer learning method in Epidemiology. WHEA Explorations in Teaching and Learning Newsletter, Volume 2, pages 22-24.

## **CONFERENCE PRESENTATIONS**

### **Poster Presentations**

1. LaPointe S, Beagle LE, Zheng X, **Kancherla V**, Mutic A, Chang HH, Gaskins AJ. Associations between Exposure to Extreme Ambient Heat and Neural Tube Defects in Georgia. *Society for Birth Defects Research and Prevention, Pittsburg, PA. Jun 2024.*
2. Pardo R, Mellado C, **Kancherla V**, Benavides-Lara A. WHA resolution calls for micronutrient fortification to prevent spina bifida and other neural tube defects. *International Clearinghouse for Birth Defects Research and Prevention Annual Conference, St. Julian's, Malta. Nov 2023.*

3. Ghotme KA, Arynchyna-Smith A, **Kancherla V**, Gomez MG, Anselmi K, Caceres A, Rosseau G, Blount J. WHA76.19 resolution on food fortification: A case study on successful multi-stakholder advocacy and science diplomacy. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*.
4. Arynchyna-Smith A, **Kancherla V**, Arynchyn A, Anselmi K, Aban I, Steffen L, Becker D, Kulczycki A, Blunt J, Oakley GP Jr. Feasibility and acceptability study of double fortified salt with iodine and folic acid: pilot clinical study. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*.
5. Rondini KA, Xu W, Chai Y, Pachón H\*, **Kancherla V**. National mandatory grain fortification legislation decreases anemia prevalence among nonpregnant women of reproductive age: findings from multiple demographic and health surveys. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*. (\*Presenter).
6. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. A global update on the status of prevention of folic acid-preventable spina bifida and anencephaly in year 2020. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*.
7. Pattisapu JV, Manda VV, Rao M, Kajana PM, **Kancherla V\***, Bhaganagarapu HR, Vigneswar Veerappan V, Godfrey P. Oakley Jr. A pre- and post-intervention study to examine the effectiveness of double-fortified salt with iodine and folic acid for neural tube defects prevention in India. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*. (\*Presenter).
8. Asrani RP, Phillips V, Rajaram R, Varvaro V, Bhalla P, Oakley GP Jr., **Kancherla V\***. Cost-effectiveness and cost-benefit analysis of folic acid fortification for prevention of neural tube defects in India. *Micronutrient Forum 6th Global Conference, The Hague, Netherlands, Oct 2023*. (\*Presenter)
9. Dorsey A, Downing KF, Danielson ML, Kancherla V, Oster ME, Farr SL. Mental, behavioral, and developmental disorders among U.S. children with and without heart conditions, 2016-2021. *Society for Birth Defects Research and Prevention Annual Conference, Charleston, SC, Jun 2023*. (Winner of James C. Bradford Memorial Poster Award)
10. **Kancherla V**, Rhoads A, Conway K, Suhl J, Langlois PH, Hoyt AT, Shaw GM, Evans SP, Moore CA, Luben TJ, Michalski AM, Feldkamp ML, Romitti PA, and the National Birth Defects Prevention Study. Maternal periconceptional exposure to drinking water disinfection by-products and neural tube defects in offspring. *Society for Birth Defects Research and Prevention Annual Conference, Charleston, SC, Jun 2023*.
11. Raskind-Hood C, **Kancherla V\***, Rodriguez FH, Sullivan AM, Lui GK, Botto L, Feldkamp M, Li JS, Ottavio AD, Farr SL, Glidewell J, Book WM. Racial/ethnic disparities in health care utilization and mortality among individuals with documented congenital heart defects at healthcare encounters, four u.s. surveillance sites, 2011-2013. *Society for Birth Defects Research and Prevention Annual Conference, Charleston, SC, Jun 2023*. (Presenter).
12. Rondini KA, Xu W, Chai Y, Pachón H, **Kancherla V\***. National Mandatory Grain Fortification Legislation Decreases Anemia Prevalence among Nonpregnant Women of Reproductive Age: Findings from Multiple Demographic and Health Surveys. *International Maternal Newborn Health Conference (IMNCH), Cape Town, South Africa, May 2023*. (Presenter)
13. Dorsey A, **Kancherla V\***, Koning M. Folic acid prescription practice for high-risk prevention of spina bifida at a tertiary care hospital in addis ababa, Ethiopia. *Spina Bifida World Congress, Tucson, AZ, May 2023*. (Presenter).



14. Mowla S, Raisanen S, Gissler M, **Kancherla V**. Early neonatal mortality among babies born with spina bifida in Finland, 2000-2014. *Spina Bifida World Congress, Tucson, AZ, May 2023*.
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16. Dorsey A, **Kancherla V\***. Timing of spina bifida closure surgery for babies operated on at a tertiary care hospital in Addis Ababa, Ethiopia. *International Conference on Birth Defects and Developmental Disabilities in Developing World, Santiago, Chile, Mar 2023*. (Presenter).
17. Dorsey A, **Kancherla V\***, Koning M. Folic acid prescription practice for high-risk prevention of spina bifida at a tertiary care hospital in Addis Ababa, Ethiopia. *International Conference on Birth Defects and Developmental Disabilities in Developing World, Mar 2023, Santiago, Chile, Mar 2023*. (Presenter).
18. Suhl J, Conway KM, Rhoads A, Langlois PH, Feldkamp ML, Michalski AM, Oleson J, Sidhu A, Scholz T, **Kancherla V\***, Obrycki J, Mazumdar M, Romitti PA, and the National Birth Defects Prevention Study. (2022). Pre-pregnancy exposure to dietary arsenic and congenital heart defects. *International Conference on Birth Defects and Developmental Disabilities in Developing World, Mar 2023, Santiago, Chile, Mar 2023*. (Presenter).
19. Dorsey A, **Kancherla V\***, Yesehak B, Zewdie K. Folic acid prescription practice for high-risk prevention of spina bifida at a tertiary care hospital in Addis Ababa, Ethiopia. *International NTD Conference, Austin, TX, USA, Oct 2022*. (Presenter).
20. Dorsey A, **Kancherla V\***, Zewdie K, Bethlehem , Yesehak B. Timing of Spina Bifida Myelomeningocele Closure Surgery for Babies Operated on at a Tertiary Care Hospital in Addis Ababa, Ethiopia. *International NTD Conference, Austin, TX, USA, Oct 2022*. (Presenter).
21. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. The Global Status on Folic Acid-Preventable Spina Bifida and Anencephaly in the Year 2020: 30-Year Anniversary of Gaining Knowledge about Folic Acid's Prevention Potential for Neural Tube Defects. *48th ICBDSR Annual Meeting, Bologna, Italy, Sep 2022*.
22. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. A 2020 global update on folic acid-preventable spina bifida and anencephaly. *Society for Birth Defects Research and Prevention, Vancouver, Canada, Jun 2022*.
23. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. A 2020 global update on folic acid-preventable spina bifida and anencephaly – 30-year anniversary of gaining knowledge about folic acid's prevention potential of neural tube defects. *Society for Epidemiologic Research, Chicago, USA, Jun 2022*.
24. **Kancherla V**, Mowla S, Raisanen S, Gissler M. Early neonatal mortality and its descriptive epidemiology among babies born with spina bifida in Finland, 2000-2014. *Society for Birth Defects Research and Prevention, Jun 2021 (Virtual Meeting)*.
25. **Kancherla V**, Ma C, Purkey N, Hintz SR, Lee HC, Grant G, Carmichael SL. Factors Associated with Distance to First Surgical Repair among Infants with Myelomeningocele in California. *Society for Birth Defects Research and Prevention, Jun 2021 (Virtual Meeting)*.
26. Russell O, **Kancherla V**. Electronic nicotine delivery systems (ENDS) use and academic achievement among 9th – 12th graders in the US – Findings from the 2017 Youth Risk Behavior Survey (YRBS). *Society for Epidemiology Research, Jun 2021 (Virtual Meeting)*.

27. Lachiewicz M, Hailstorks T, **Kancherla V**. Employment Status in the United States and Use of Long-Acting Reversible Contraception or Moderately Effective Contraception before and after the Affordable Care Act: An Analysis of the National Survey of Family Growth 2006-2010 and 2015-2017. *Society for Epidemiology Research, Jun 2021 (Virtual Meeting)*.
28. **Kancherla V**, Mowla S, Raisanen S, Gissler M. Early neonatal mortality and its descriptive epidemiology among babies born with spina bifida in Finland, 2000-2014. *Society for Epidemiology Research, Jun 2021 (Virtual Meeting)*.
29. Wegner C, **Kancherla V**, Rissman A. Current prevalence of periconceptional folic acid supplement use and its determinants in Germany: Findings from a cross-sectional study. *Society for Epidemiology Research, Dec 2020 (Virtual Meeting)*.
30. Manandhar M, Beydoun H, **Kancherla V**. Association between body mass index and folate insufficiency indicative of neural tube defects risk among non-pregnant women of childbearing age in the United States, NHANES, 2007-2010. *Society for Epidemiology Research, Dec 2020 (Virtual Meeting)*.
31. Manandhar M, Beydoun H, **Kancherla V**. Body mass index and folate insufficiency indicative of neural tube defects risk among non-pregnant women of childbearing age in the United States, NHANES, 2007-2010. *Society for Birth Defects Research and Prevention, Jun 2020 (Virtual Meeting)*.
32. **Kancherla V**, Wagh K, Pachon H, Oakley GP Jr. 2019 update on folic acid-preventable spina bifida and anencephaly. *Society for Birth Defects Research and Prevention, Jun 2020 (Virtual Meeting)*.
33. **Kancherla V**, Tsang B, Wagh K, Dixon M, Oakley GP Jr. High potential for prevention of major neural tube defects through folic acid fortified salt. *Micronutrient Forum, Bangkok, Thailand, Mar 2020*
34. Konrad T, Pachón H, **Kancherla V**. Association between National Mandatory Flour Fortification Legislation and Anaemia Prevalence among Women of Reproductive Age: Demographic and Health Survey Findings. *Micronutrient Forum, Bangkok, Thailand, Mar 2020*.
35. **Kancherla V**, Koning M, Koning J, Woldemr M, Biluts H. Surgical Care for Myelomeningocele and Congenital Hydrocephalus in a Large Urban Teaching Hospital in Ethiopia. *9th International Conference on Birth Defects and Developmental Disabilities in Developing World, Colombo, Sri Lanka, Feb 2020*.
36. **Kancherla V**, Ma C, Grant G, Shaw GM, Hintz SR, Carmichael SL. Factors Associated with Timeliness of Surgical Repair among Infants with Myelomeningocele: California Perinatal Quality Care Collaborative, 2006-2011. *2019 International Conference on NTDs, Boston, Sep 2019*.
37. Dixon M, **Kancherla V**, Afework M, Magana T, Oakley GP Jr. High Potential for Reducing Folic Acid-Preventable Spina Bifida and Anencephaly, and Related Stillbirth and Child Mortality, in Ethiopia. *2019 International Conference on NTDs, Boston, Sep 2019*.
38. **Kancherla V**, Koning M, Koning J, Woldemr M, Biluts H. Surgical Care for Myelomeningocele and Congenital Hydrocephalus in a Large Urban Teaching Hospital in Ethiopia. *2019 International Conference on NTDs, Boston, Sep 2019*.
39. **Kancherla V**, Ma C, Grant G, Shaw GM, Hintz SR, Carmichael SL. Factors associated with first-year mortality in infants with myelomeningocele, California Perinatal Quality Care Collaborative, 2001-2016. *2019 International Conference on NTDs, Boston, Sep 2019*.

40. Mowla S, Gissler M, Raisanen S, **Kancherla V**. Maternal Pregestational Diabetes Mellitus and Neural Tube Defects in the Offspring: Findings from Nationwide Registries in Finland from 2000-2014. *2019 International Conference on NTDs, Boston, Sep 2019*.
41. **Kancherla V**, Averbach H, Oakley GP Jr. Nation-Wide Failure of Voluntary Folic Acid Fortification of Corn Masa Flour and Tortillas with Folic Acid. *Teratology Society, San Diego, Jun 2019*.
42. **Kancherla V**, Ma C, Grant G, Lee HC, Hintz SR, Carmichael SL. Factors associated with first-year mortality in infants with myelomeningocele. *Teratology Society, San Diego, Jun 2019*.
43. Bakker M, **Kancherla V**, Canfield MA, Bermejo Sanchez E, Cragan J, Dastgiri S, De Walle HEK, Feldman M, B Groisman B, Gatt M, Hurtado Villa PM, Kallen K, Koshnood B, Landau D, Lopez Camelo J, Martinez L, Morgan M, Mutchinick O, Nembhard W, Pierini A, Sipek A, Rissman A, Szabova E, Tagliabue G, Wertelecki W, Zarante I, Mastroiacovo P. Analysis of mortality among neonates and children with spina bifida from registries in multiple countries, 2001-2012. *Society for Epidemiologic Research, Minneapolis, Jun 2019*.
44. Kumar A, Kramer M, **Kancherla V**. Screen time use in children with attention deficit/hyperactivity disorder in the United States. *Society for Epidemiologic Research, Minneapolis, Jun 2019*.
45. **Kancherla V**. Identifying countries with immediate mandatory fortification potential to prevent spina bifida and anencephaly. *Teratology Society Annual Meeting, Clearwater Beach, Jun 2018*.
46. **Kancherla V**, Redpath B, Oakley GP Jr. The failure of voluntary folic acid fortification of corn masa flour and corn tortillas in the US. *Teratology Society Annual Meeting, Clearwater Beach, Jun 2018*.
47. **Kancherla V**, Ma C, Grant G, Shaw GM, Hintz SR, Carmichael SL. A Population-Based Analysis of Factors Associated with Timeliness of Surgical Repair among Infants with Myelomeningocele. *Teratology Society Annual Meeting, Clearwater Beach, Jun 2018*.
48. **Kancherla V**, Zimmerman S. Identifying countries with immediate mandatory fortification potential to prevent spina bifida and anencephaly. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogota, Colombia, Nov 2017*.
49. **Kancherla V**, Weakland A, Walani S, Bauwens L, Warf B, Oakley GP Jr. (2017). Scorecard for spina bifida research, prevention, and policy – A development process. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogota, Colombia, Nov 2017*.
50. **Kancherla V**, Zimmerman S. Identifying countries with immediate mandatory fortification potential to prevent spina bifida and anencephaly. *International Conference on Neural Tube Defects, Austin, Oct 2017*.
51. **Kancherla V**, Weakland A, Walani S, Bauwens L, Warf B, Oakley GP Jr. (2017). Scorecard for spina bifida research, prevention, and policy – A development process. *International Conference on Neural Tube Defects, Austin, Oct 2017*.
52. Nguyen B, Weiss P, Baydoun H, **Kancherla V**. Association between serum folate concentration and depression in reproductive aged U.S. women, NHANES (2011-2012). *Society for Epidemiologic Research, Seattle, Jun 2017*.
53. Echaiz JF, Blas M, **Kancherla V**, Unintended pregnancy and its association with inadequate Rotavirus immunization in Peruvian children, Demographic Health Survey, 2012. *Society for Epidemiologic Research, Seattle, Jun 2017*.

54. Horslev T, Binongo J, **Kancherla V**, Maternal *Chlamydia* infection during pregnancy among younger mothers and risk of gastroschisis in singleton births in the United States. *Society for Epidemiologic Research, Seattle, Jun 2017*.
55. **Kancherla V**, Arth A, Pachón H, Zimmerman S, Johnson Q, Oakley GP Jr. A 2015 global update on folic acid-preventable spina bifida and anencephaly. *Micronutrient Initiative, Cancun, Mexico, Oct 2016*.
56. Oakley GP Jr. & **Kancherla V**. Contribution of total prevention of folic acid preventable spina bifida and anencephaly towards achieving health-related Sustainable Development Goals in India. *Micronutrient Initiative, Cancun, Mexico, Oct 2016*.
57. **Kancherla V**, Arth A, Pachón H, Zimmerman S, Johnson Q, Oakley GP Jr. A 2015 global update on folic acid-preventable spina bifida and anencephaly. *Teratology Society, San Antonio, Jun 2016*.
58. Mukhtar A, Kramer M, Oakley GP Jr., **Kancherla V**. Periconceptional folic acid intake among women of reproductive age in Georgia, Pregnancy Risk Assessment and Monitoring Survey. *Society for Epidemiologic Research, Miami, Jun 2016*.
59. Obeid R, Pietrzik K, Oakley GP Jr., **Kancherla V**, Holzgreve W, Wieser S. Preventable neural tube defects in Europe. *Teratology Society, Montreal, Jun 2015*.
60. Dong D, Binongo J, **Kancherla V**. Maternal exposure to chlamydia during pregnancy and risk of cyanotic congenital heart defects in the offspring. *Society for Epidemiologic Research, Denver, Jun 2015*.
61. **Kancherla V**, Garn JV, Zakai NA, Williamson RS, Cashion WT, Oluwaseun O, Judd S, McClellan W, Oakley GP Jr. Multivitamin use and serum vitamin B-12 levels in older-adult metformin users in REGARDS, 2003-2007. *Society for Epidemiologic Research, Denver, Jun 2015*.
62. Elliott JL, **Kancherla V**, Patel BB, Holland NW, Johnson II TM, Phillips LS, Oakley GP Jr., CP Vaughan CP. Metformin use and assessment of vitamin B12 status among older veterans. *American Geriatric Society, Orlando, May 2014*.
63. Youngblood M, Williamson R, Bell KN, Johnson Q, **Kancherla V**, Oakley GP Jr.. A 2012 update on global prevention of folic acid-preventable spina bifida and anencephaly. *International Congress of Pediatrics 2013, Melbourne, Australia, Aug 2013*.
64. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M. Vision impairment, hearing loss and autism spectrum disorders. *Society for Epidemiologic Research, Boston, Jun 2013*.
65. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M. Factors associated with dental care among youth with intellectual disabilities: Metropolitan Atlanta Developmental Disabilities Surveillance Follow-Up Study. *Society for Epidemiologic Research, Minneapolis, Jun 2012*.
66. Beydoun H, **Kancherla V**, Stadtmauer L, Beydoun M. Patterns of use of insulin-sensitizing agents among diabetic, borderline diabetic and non-diabetic women in the National Health and Nutrition Examination Surveys. *Society for Epidemiologic Research, Minneapolis, Jun 2012*.
67. **Kancherla V**, Amendah DD, Grosse SD, Yeargin-Allsopp M, Van Naarden Braun K. Medical expenditures attributable to cerebral palsy and intellectual disability among Medicaid enrolled children. *Annual Conference Association of University Centers on Disabilities (AUCD), Crystal City, VA, Jun 2011*.
68. **Kancherla V**, Romitti PA, Sun L, Burns TL, Carey JC, Siega-Riz AM, Druschel CM, Lin A. Epidemiology of choanal atresia: The National Birth Defects Prevention Study. *Society for Epidemiologic Research - Congress of Epidemiology, Montreal, Jun 2011*.

69. **Kancherla V**, Ramon I, Rhodes C. Experiences of AUCD-CDC Fellows: epidemiology, surveillance, and health communication perspectives on developmental disability. *Annual Conference Association of University Centers on Disabilities (AUCD), Crystal City, Jun 2010.*
70. **Kancherla V**, Romitti PA, Puzhankara S. Descriptive epidemiology of congenital talipes equinovarus in Iowa, 1989-2005. *Society for Perinatal and Reproductive Epidemiology, Chicago, Jun 2008*
71. Hanna B, Romitti P, Patil S, **Kancherla V**, Yankowitz J. Ultrasound findings in 34 cases of trisomy 13. *27th Annual Meeting of the Society of Maternal Fetal Medicine, San Francisco, 2007.*
72. **Kancherla V**, Dennis LK. A Meta-analysis of pre-, peri-, and neonatal risk factors for autism. *Society for Epidemiologic Research - Congress of Epidemiology, Seattle, Jun 2006 (SER Student Travel Prize Winner).*
73. **Kancherla V**, Hammig B, Ogletree RJ, Fetro JV. Knowledge, attitudes, and behaviors of selected Midwestern college students regarding sun exposure and skin protection. *American Association for Health Education, Chicago, Jun 2005.*
74. Brown SL, Birch DA, **Kancherla V**, Boyer M, Midland D. Underage alcohol consumption: attitudes and opinions of elementary school children. *American Public Health Association, Washington DC, Jun 2004.*
75. Brown SL, Birch, DA, **Kancherla V**, Boyer M, Midland D. Bullying, attitudes, and opinions of elementary school children. (Poster) *American Public Health Association, Washington DC, Jun 2003.*

## Podium Presentations

1. **Kancherla V**. Congenital anomalies in minoritized populations: An overview of factors affecting prevalence and outcomes. *Society for Birth Defects Research and Prevention Annual Conference, Pittsburg, Pennsylvania, Jun 2024.*
2. LaPointe S, Beagle LE, Zheng X, **Kancherla V**, Mutic A, Chang HH, Gaskins AJ. Associations between Exposure to Extreme Ambient Heat and Neural Tube Defects in Georgia. *Society for Pediatric and Perinatal Epidemiology (SPER), Austin, Texas. Jun 2024.*
3. **Kancherla V**, Wagh K, Dorsey A, Pachón H, Oakley GP Jr. 2022 status of global prevention of folic acid preventable spina bifida and anencephaly. *International Clearinghour for Birth Defects Research and Prevention Annual Conference, St. Julian's, Malta. Nov 2023.*
4. **Kancherla V**. Disparities and opportunities in global prevention and care of folate-sensitive spina bifida and anencephaly. *Society for Birth Defects Research and Prevention Annual Conference, Charleston, South Carolina, Jun 2023.*
5. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. Status of global folic acid-preventable spina bifida and anencephaly. *International Maternal Newborn Conference, Cape Town, South Africa, May 2023.*
6. Arynchyna-Smith A, **Kancherla V**, Arynchyn A, Shamblin I, Maleknia P, Rosseau G, Blount J. A descriptive analysis of impact of neural tube defects on global neurosurgery workforce. *Spina Bifida World Congress, Tucson, Arizona, Mar 2023.*
7. **Kancherla V**, Ma C, Purkey N, Hintz S, Lee HC, Grant G, Carmichael S. Factors associated with transfer distance from birth hospital to repair hospital for first surgical repair

- among infants with myelomeningocele in California. *Spina Bifida World Congress, Tucson, Arizona, Mar 2023.*
8. **Kancherla V**, Rhoads A, Conway K, Suhl J, Langlois PH, Hoyt AT, Shaw GM, Evans SP, Moore CA, Luben TJ, Michalski AM, Feldkamp ML, Romitti PA, and the National Birth Defects Prevention Study. Maternal periconceptional exposure to drinking water disinfection by-products and neural tube defects in offspring. *World Congress on Spina Bifida Research and Care, Tucson, Arizona, Mar 2023.*
  9. Dorsey A, **Kancherla V**, Koning M. Timing of spina bifida myelomeningocele closure surgery for babies operated on at a tertiary care hospital in Addis Ababa, ethiopia. *Spina Bifida World Congress, Tucson, Arizona, Mar 2023.*
  10. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakley GP Jr. A global update on the status of prevention of folic acid-preventable spina bifida and anencephaly in year 2020: 30-year anniversary of gaining knowledge about folic acid's prevention potential for neural tube defects. *International Conference on Birth Defects and Developmental Disabilities in the Developing World, Santiago, Chile, Mar 2023.*
  11. Raskind-Hood C, **Kancherla V**, Rodriguez FH, Sullivan AM, Lui GK, Botto L, Feldkamp M, Li JS, Ottavio AD, Farr SL, Glidewell J, Book WM. Racial/ethnic disparities in health care utilization and mortality among individuals with documented congenital heart defects at healthcare encounters, four u.s. surveillance sites, 2011-2013. *International Conference on Birth Defects and Developmental Disabilities in the Developing World, Santiago, Chile, Mar 2023.*
  12. Raskind-Hood CL, **Kancherla V**, Rodriguez II FH, Sullivan AM, Lui GK, Botto L, Feldkamp ML, Li JS, D'Ottavio A, Farr SL, Glidewell J, Book WM. Racial/ethnic Disparities In Neighborhood Poverty, Healthcare Utilization And Mortality Among Individuals With Congenital Heart Defects (CHD). *American Heart Association Annual Conference, Chicago, Illinois, Nov 2022.*
  13. **Kancherla V**, Wagh K, Priyadarshini P, Pachon H, Oakey GP Jr. A 2020 Global Update on Folic Acid-Preventable Spina Bifida and Anencephaly Through Mandatory Fortification of Cereal Grains. *International Federation for Spina Bifida and Hydrocephalys Scientific Conference. Sep 2022 (Virtual Meeting).*
  14. **Kancherla V**. Epidemiology of spina bifida and anencephaly – A global public health concern in need of prevention. *G4 Alliance – WHA Side Event, Geneva, Switzerland, May 2022.*
  15. **Kancherla V**. F. Clarke Fraser New Investigator Award Presentation. *Society for Birth Defects Research and Prevention Annual Meeting, June 2021 (Virtual Meeting).*
  16. Blencowe H, **Kancherla V**, Moorthie S, Darlison M, Gibbons S, Modell B. Lack of knowledge about NTD prevalence in the world – Folate Task Team. *Micronutrient Forum, Nov 2020 (Virtual Meeting).*
  17. **Kancherla V**. Salt as an alternative to promote folic acid fortification in selected low- and middle-income countries. *Micronutrient Forum, Nov 2020 (Virtual Meeting).*
  18. **Kancherla V**, Tsang B, Wagh K, Dixon M, Oakley GP Jr. Global Prevention of Neural Tube Defects with Folic Acid-Fortified Salt. *Society for Birth Defects Research and Prevention, Charleston, South Carolina, Jun 2020 (Virtual Meeting).*
  19. **Kancherla V**, Tsang B, Wagh K, Dixon M, Oakley GP Jr. Global Prevention of Neural Tube Defects with Folic Acid-Fortified Salt. *Unite for Sight. Global Health and Innovations Conference. Yale University, Apr 2020 (Virtual Meeting).*

20. **Kancherla V.** Roos N, Walani S. Linking birth defects to Sustainable Development Goals (2030). *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
21. **Kancherla V.** Mapping birth defects surveillance programs globally - WHO. *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
22. **Kancherla V.** Global Prevention of Neural Tube Defects With Folic Acid-Fortified Wheat and Salt. *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
23. **Kancherla V,** Wagh K, Pachon H, Oakley GP Jr. 2019 Global status of prevention of folic acid-preventable neural tube defects. *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
24. **Kancherla V.** Salt as an alternative to promote folic acid fortification in selected low- and middle-income countries. *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
25. Dixon M, **Kancherla V,** Afework M, Magana T, Oakley GP Jr. High Potential for Reducing Folic Acid-Preventable Spina Bifida and Anencephaly, and Related Stillbirth and Child Mortality, in Ethiopia. *9<sup>th</sup> International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020.*
26. **Kancherla V,** Tsang B, Wagh K, Dixon M, Oakley GP Jr. Global Prevention of Neural Tube Defects with Folic Acid-Fortified Salt. *2019 International Conference on NTDs, Boston, Massachusetts (Sep 2019)*
27. Xu, S, Suhl J, **Kancherla V,** Romitti PA. Descriptive epidemiology of congenital hydrocephaly, Iowa. *International Clearinghouse for Birth Defects Surveillance and Research, Bratislava, Slovak Republic, Sep 2019.*
28. **Kancherla V,** Oakley GP Jr. Achieving reductions in child mortality by preventing birth defects in India – a step towards Sustainable Development Goals. *International Federation for Spina Bifida and Hydrocephalus, New Delhi, India, Aug 2018.*
29. **Kancherla V,** Wagh K, Johnson Q, Oakley GP Jr. A 2017 Global Update on Folic Acid-Preventable Spina Bifida and Anencephaly. *Invited Speaker, Teratology Society, Clearwater Beach, Jun 2018.*
30. **Kancherla V.** Status of current global prevention of spina bifida and anencephaly and subsequent impact on child mortality indicators in the era of Sustainable Development Goals. 2017 Alessandra Lisi Award Presentation. *International Clearinghouse on Birth Defects Surveillance and Research-Annual Conference, Austin, Texas, Nov 2017.*
31. Bakker M, **Kancherla V,** Mastroiacovo P and the participating centers of the ICBDSR Mortality Project. A Population-Based Study of Mortality in Infants and Children Spina Bifida: The International Clearinghouse for Birth Defects and Surveillance and Research (ICBDSR) Mortality Project. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogotá, Colombia, Nov 2017.*
32. Blencowe H, **Kancherla V,** Moorthie S, Darlison M, Modell B. Estimates of global and regional prevalence of neural tube defects for the year 2015. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogotá, Colombia, Nov 2017.*
33. **Kancherla V.** Global prevention of folic acid-preventable spina bifida and anencephaly. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogotá, Colombia, Nov 2017.*

34. **Kancherla V**, Oakley GP Jr. Achieving reductions in child mortality by preventing birth defects in India – a step towards Sustainable Development Goals. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogotá, Colombia, Nov 2017.*
35. Young M, Guo J, Williams A, Whitfield K, Nasrin S, **Kancherla V**, Crider K, Pfeiffer C, Serdula M on behalf of the BRINDA working group. Do vitamin B12 and folate need to be adjusted for inflammation? *IUNS 21<sup>st</sup> International Congress on Nutrition, Buenos Aires, Argentina, Oct 2017.*
36. **Kancherla V**, Oakley GP Jr. Achieving reductions in child mortality by preventing birth defects in India – a step towards Sustainable Development Goals. *International Conference on Neural Tube Defects, Austin, Texas, Oct 2017.*
37. Arth A, **Kancherla V**, Pachón H, Zimmerman S, Johnson Q, Oakley GP Jr. (2016). Status of global prevention of folic acid-preventable spina bifida and anencephaly. *Invited Speaker, Teratology Society Annual Meeting, Denver, Colorado, Jun 2017. 2017 Wilson Publication Award Spotlight Presentation.*
38. **Kancherla V**, Oakley GP Jr. Achieving reduction in child mortality by preventing birth defects in India, and its contribution to Sustainable Development Goals. *Teratology Society, Denver, Colorado, Jun 2017.*
39. Bauwens L, Weakland A, **Kancherla V**, Walani S. PUSH! Global Alliance. *International Federation for Spina Bifida and Hydrocephalus – Turning Points Conference, Ghent, Belgium, Oct 2016.*
40. **Kancherla V**, Bakker M. Global mortality study for spina bifida – Findings from 28 member countries. *International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR), Magdeburg, Germany, Sep 2016.*
41. **Kancherla V**, Oakley GP Jr. Contribution of total prevention of folic acid preventable spina bifida and anencephaly towards achieving health-related Sustainable Development Goals in India. *Teratology Society Annual Meeting, San Antonio, Texas, Jun 2016.*
42. **Kancherla V**, Arth A, Pachón H, Zimmerman S, Johnson Q, Oakley GP Jr. A 2015 Global Update on Folic Acid-Preventable Spina Bifida and Anencephaly. *Micronutrient Forum, Cancun, Mexico, Oct 2016.*
43. Pachón H, **Kancherla V**, Oakley GP Jr. Mapping fortification in Latin America and Europe. *Congreso Latinoamericano de Nutrición (SLAN). Dominican Republic, Oct 2015.*
44. **Kancherla V**, Arth A, Pachón H, Zimmerman S, Quentin Johnson Q, Oakley GP Jr. Global Prevention of Spina bifida and anencephaly, year 2014. *International Conference on Birth Defects and Disabilities in the Developing World. Dar-es-salaam, Tanzania, Sep 2015.*
45. **Kancherla V**, Druschel CM, Oakley GP Jr. A population-based study to investigate the cause of death in spina bifida. *International Conference on Neural Tube Defects, Austin, Oct 2013.*
46. **Kancherla V**. Birth defects in the United States: Surveillance, epidemiology and prevention. *Pune Public Health Conference 2013, University of Pune, Maharashtra, India, Feb 2013.*

### **CONFERENCE SYMPOSIUM CHAIR**

- Public Affairs Committee Symposium. COVID-19 in pregnancy: Lessons learned and future direction. Co-Chairs: Vijaya Kancherla & Sonja A. Rassmussen. *Society for Birth Defects Research and Prevention Annual Meeting, Charleston, South Carolina. June 2023.*



- General Science, Epidemiology and Public Health. Co-Chairs: Vijaya Kancherla & Jeremy Schraw. *Spina Bifida World Congress. Tucson, Arizona. May 2023.*

## **RESEARCH GRANTS**

1. Research Associate. Nov 2022-Oct 2027. USAID Advancing Food Fortification Opportunities to Reinforce Diets (AFFORD). Food Fortification Initiative. PI: Dr. Reynaldo Martorell.
2. Principal Investigator. 2022-2023. Halt neural tube defects: Testing a salt fortification mechanism for NTD-Epidemic Context. Emory Global Health Institute Rapid Response Grant.
3. Co-Investigator. Sep 2019- Sep 2024. Surveillance of Congenital Heart Defects Among Children, Adolescents, and Adults. US Centers for Disease Control and Prevention. CDC-RFA-DD19-1902 Component A. [PI: Book, E mory University School of Medicine]
4. Sub-contract. Oct 2017-May 2019. NIH-NICHD R01 Grant - MD007796. Disparities in Care, Morbidity & Survival Among Infants with Birth Defects. [PI: Carmichael, Stanford University]
5. Sub-contract. Sep 2018-Sep 2023. CDC U01DD001223. Iowa CBDRP: Component A BD- STEPS II Core. [PI: Romitti, University of Iowa].
6. Co-Principal Investigator. Jan 2016 – Apr 2016. Centers for Disease Control and Prevention. Project: Mandatory Folic Acid Fortification Readiness Review.
7. Co-Principal Investigator. 2014-2016, US\$ 100,000, Rich Foundation, Atlanta – Project: Epidemiology of spina bifida and anencephaly in Metro-politan Atlanta.

## **PROFESSIONAL SERVICE AND CONSULTING**

1. *Member*, Global Fortification Technical Advisory Group. Global Alliance for Improved Nutrition (GAIN) (Dec 2023 – Current)
2. *Affiliate Member*, Sub-Saharan African Congenital Anomalies Network (sSCAN) (Nov 2022 – Current)
3. *Member*, Inter-Agency Working Group on Reproductive Health in Crises. Maternal and Newborn Health Sub-Working Group (May 2023 - Current)
4. *Judge*, Emory Morningside Global Health Case Competition, Case Title: *Preventing Maternal Death in Haiti's Central Plateau* (Mar 2023)
5. *Reviewer*, "Failure to Fortify – How companies are neglecting to take a simple step that could save Latino/a/e lives", by Cristina Moraga Franco & Eva Greenthal, Center for Since in the Public Interest (Jan, 2023). Available at: [https://www.cspinet.org/sites/default/files/2023-02/CSPI\\_FailureToFortify\\_Eng\\_2023\\_final.pdf](https://www.cspinet.org/sites/default/files/2023-02/CSPI_FailureToFortify_Eng_2023_final.pdf)
6. *Faculty Member*, Diversity, Equity & Inclusion (DEI) Committee, Executive MPH Program, Emory University, (2022 – Current)
7. *At-large representative*, Emory University Rollins School of Public Health Faculty Council (2022 – Current)
8. *Faculty Facilitator*, Inter-professional Team Training, Emory University (2020 – Current)
9. *Session Chair & Discussant*, 2021-22 WHEA Teaching Fellowship Intersession – Feedback on Learning and Contemporary Feedback Models, Emory University, Oct 21, 2021

10. *Member*, Global Alliance for Prevention of Spina Bifida F – World Health Assembly Resolution for Folic Acid Fortification Taskforce (May 2021 – Current)
11. *Member*, WHO Technical Working Group on Burden of Birth Defects (TWGBBD), World Health Organization (Jul 2022 – Jul 2024)
12. *Guest Researcher*, National Center on Birth Defects and Developmental Disabilities, US Centers for Disease Control and Prevention (May 2020 – Current)
13. *Consultant*, ReachAnother Foundation, Bend, OR (May 2018 – Current)
14. *Member*, Surveillance Data Committee, National Birth Defects Prevention Network (Nov 2021 – Ongoing)
15. *Chair*, Public Affairs Committee. Society for Birth Defects Research and Prevention (Jul 2022 – June 2024)
16. *Member*, Research Advisory Council. Spina Bifida Association (Jun 2021 – Current)
17. *Conference Program Committee Member*. Society for Birth Defects Research and Prevention (2021 – 2024)
18. *Member*, Awards Committee. Society for Birth Defects Research and Prevention. (Jul 2021 – Jun 2024)
19. *Collaborator and Reviewer*. Iowa Centers for Birth Defects Research and Prevention. (Aug 2017 – Current)
20. *Consultant*. Department of Maternal, Newborn, Child and Adolescent Health, World Health Organization (2017 – Current)
21. *Technical Expert*. Global WHO Birth Defects Technical Working Group, World Health Organization (Feb 2019 – Current)
22. *Committee Member*. Scientific Committee, World Birth Defects Day, International Clearinghouse for Birth Defects Surveillance and Research (Sep 2018 – Current)
23. *Member*. Global Research on Developmental Disabilities Collaborators. Global Burden of Disease Study, Institute for Health Metrics and Evaluation (IHME), Seattle, WA (July 2018 – Current)
24. *Consultant*. Mapping Birth Defect Surveillance and Tools – Birth Defects Outside the Americas. World Health Organization (Jun 2018 – Mar 2019)
25. *Committee Member*. Consensus Statement of Birth Defects in Latin America. 2017 International Conference on Birth Defects and Disabilities in Developing Countries. March of Dimes (2017)
26. *Member*. Global Burden of Disease Collaborator Network. Institute for Health Metrics and Evaluation. University of Washington (2018 – Ongoing)
27. *Co-Chair*. Public Affairs Committee, *Society for Birth Defects Research & Prevention* (Previously: Teratology Society) (2019 – 2021)
28. *Committee Member*. Public Affairs Committee, Teratology Society (2018 – 2019)
29. *Member*. Scientific Committee, International Conference on Birth Defects and Disabilities in the Developing World (Colombia, 2017; Sri Lanka, 2019)
30. *Member*. SER Publication Committee. Twitter Initiative Group (2016 – 2018)
31. *Team Lead*. PUSH! Score Card Project. PUSH! Global Alliance for Spina Bifida and Hydrocephalus (2014 – 2016)
32. *Consultant*. Folate status among women of reproductive age and pre-school aged children. Biomarkers reflecting inflammation and nutrition determinants of anemia (BRINDA) Phase 2 (2017 – 2018)

33. *Consultant*. Technical Consultation on Folate Status in Women and Neural Tube Defects Risk Reduction. Micronutrient Forum Secretariat, Ottawa, Canada, 2016. A collaborative project with the Bill and Melinda Gates Foundation. (2016 – 2018)
34. *Affiliate Member*. International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR), Italy (2014 – Current)
35. *Member*. PUSH! Global Alliance for Spina Bifida and Hydrocephaly (2015 – 2020)
36. *Committee Member*. Emory Global Field Experience Financial Award Committee (2016 – Current)
37. *Member*. Master of Public Health (MPH) Admissions Committee, Department of Epidemiology, Emory University Rollins School of Public Health (2014 – Current)
38. *Co-Principal Investigator*. Spina Bifida Mortality Project, International Clearinghouse on Birth Defects Surveillance and Research (ICBDSR) (2015 – 2020)
39. *Co-investigator*. Birth Defects Mortality Project, International Clearinghouse on Birth Defects Surveillance and Research (ICBDSR) (2015 – 2020)
40. *Board Member*. Spina Bifida Association of Georgia, Atlanta, Georgia (2014 – 2018)
41. *Affiliate Member*. Section on Epidemiology (SOEp), American Academy of Pediatrics (2014 – Current)
42. *Member*. Participant Working Group. 7th international conference on birth defects and disabilities in the developing world. (2016)
43. *Consultant*. India Demonstration Project. Prevention Research Branch Division of Birth Defects and Developmental Disabilities, National Center on Birth Defects and Developmental Disabilities, CDC (2014)

## **AWARDS AND CERTIFICATIONS**

1. *2024 Faculty Teaching Award*. Executive Master of Public Health Program. Emory University Rollins School of Public Health (Apr 2024)
2. *2024 Cecile Janssens Scientific Dissemination Award*. Department of Epidemiology, Emory University Rollins School of Public Health (Apr 2024)
3. *2021 F. Clark Frazer New Investigator Award*. Society for Birth Defects Research and Prevention (Jun 2021)
4. *2017 Alessandra Lisi Award*. International Clearinghouse for Birth Defects Surveillance and Research (Aug 2017)
5. *2017 Faculty Teaching Award*. Executive Master of Public Health Program. Emory University Rollins School of Public Health (Jun 2017)
6. *2017 James G. Wilson Publication Award – Teratology Society* (Jun 2017)
7. *Pierre Decouflé Fellowship*. Association of University Centers on Disabilities, Silver Spings, MD (Jan 2010)
8. *NICHD-IHDCYH 5<sup>th</sup> Annual Summer Institute Award*. Reproductive and Perinatal Epidemiology (Jul 2009)
9. *Student Travel Award*. Poster on Meta-Analysis of Per-, Peri-, and Neonatal Risk Factors for Autism. SER annual conference, Seattle (Jun 2006)
10. *Academic Distinction in Social and Preventive Medicine*. NTR University of Health Sciences, India (Dec 1997)

## **OTHER PROFESSIONAL TRAINING**

1. *Attendee*. Use of meta-analyses in nutrition research and policy: A workshop series. National Academies Sciences Engineering Medicine (NASEM) (Oct 2023)
2. *Human Teratogens*, University of South Florida, Society for Birth Defects Research and Prevention (BDRP), Organization of Teratology Information Specialists (OTIS) (Nov 2021)
3. *CliftonStrengths Assessment Training*, Emory University (Aug 2021) (Personal Themes: Intellection, Responsibility, Arranger, Input, Learner)
4. *Fellow*, Woodruff Health Educators Academy Teaching Fellowship, Emory University (Mar 2020-Feb 2021)
5. *Trainee*, Programming in R. Stats Camp (Feb 2019)
6. *Faculty Facilitator*, Inter-Professional Team Training Day (ITTD), Emory University Rollins School of Public Health (Sep 2018, Jan 2021)
7. *Summer Short Course on Causal Inference*. Harvard TH Chan School of Public Health (Jun 2018)
8. *Faculty Mentorship Training Series – Atlanta Society of Mentors*. Emory University (Oct 2017)
9. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2015*: Emory University Oxford College, Oxford, GA (May 2015)
10. *2014 Training Program on Surveillance and Prevention of Birth Defects and Preterm Births*: ICBDSR, WHO-Geneva, Switzerland (Jul 2014)
11. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2013*: Emory University Oxford College, Oxford, GA (May 2013)
12. *Human Teratogens – Environmental Factors that Cause Birth Defects*: Harvard Medical School – Department of Continuing Education, Boston, MA (Apr 2013)
13. *Research Methods in Life Course Epidemiology*: EPIC Summer Institute, Columbia University – Mailman School of Public Health, New York, New York (Jun 2012)
14. *ResDAC Medicaid Data Training*: University of Minnesota, Minneapolis, MN (Sep 2011)
15. *Marketscan® Database Training*: Thompson Reuters, Atlanta, GA (Jul 2011)
16. *Successful Scientific Writing*: Centers for Disease Control and Prevention, Atlanta, GA (Feb 2011)

## **BOOK CHAPTERS**

1. **Kancherla V**. "Folic acid to prevent spina bifida and anencephaly." *The Neuroscience of Development*, edited by Colin R Martin, Victor R. Preedy, Rajkumar Rajendram, Academic Press, 2021, pp. 631-641
2. Binongo JN, **Kancherla V**, Kramer MR. *Neonatal-Perinatal Medicine*, McGraw Hill Publications (2014). *Chapter: Core Knowledge in Scholarly Activities (Epidemiology and Biostatistics)*.

## **BOOK REVIEWS**

*Cochrane Handbook for Systematic Reviews of Interventions*. J Higgins & S Green. Publisher: Wiley, John & Sons, Inc. Reviewed for Doody Review Services (Aug 2008) (Invited Review)

## CONFERENCE ABSTRACT REVIEWER

- Society for Birth Defects Research and Prevention
- Society for Epidemiologic Research
- Society for Pediatric and Perinatal Epidemiology
- International Conference on Birth Defects and Disabilities in the Developing World

## PEER-REVIEWED JOURNAL REVIEWER

- American Journal of Clinical Nutrition
- American Journal of Perinatology
- Birth Defects Research
- The Cleft Palate Craniofacial Journal
- Journal of Pediatric Rehabilitation Medicine
- Lancet Regional Health – Southeast Asia, Nutrients
- Preventive Medicine; PLOS-One

## THESIS CHAIR

1. Joshi K, Raskind-Hood C, Book W, **Kancherla V**. Disparities in dental care use among individuals with congenital heart defects (May 2024, MPH)
2. Dorsey A, Farr S, Downing K, **Kancherla V**. Emotional and behavioral disorders and developmental disabilities among US children with and without heart conditions (May 2023, MPH)
3. Lambert E, Hanqi L, Pachon H, **Kancherla V**. Quantifying the potential food fortification impact on nutrient intake and anemia prevalence among women of reproductive age in India (May 2022, MPH)
4. Chen S, Romitti PA, **Kancherla V**. A Machine Learning Approach to Investigate Epidemiologic Risk Factors of Gastroschisis and Omphalocele in Iowa, 1997-2011 (May 2022, MPH)
5. Lawrence S, Romitti PA, **Kancherla V**. Prevalence and descriptive epidemiology of omphalocele in Iowa, 2000-2019 (May 2022, MPH)
6. Rink D, Raskind-Hood C, Book W, **Kancherla V**. Association between combined anatomic and physiologic classification of adults with congenital heart defects and selected healthcare utilization and clinical outcomes. (May 2021, MPH)
7. Guzman I, Kramer M, **Kancherla V**. Association between Pre-Pregnancy Diabetes Mellitus and Pre-Conception Folic Acid Supplement Use by Hispanic Ethnicity: Findings from Georgia, New York City and Puerto Rico PRAMS 2016-2018. (May 2021, MPH)
8. Zhang Y, Raskind-Hood C, Book W, **Kancherla V**. Association between anatomic group and 30-day outpatient healthcare utilization among children and adolescents with both congenital heart defects and an influenza diagnosis, 2008-2013. (July 2021, MPH)
9. Kapera O, Raskind-Hood C, Book W, **Kancherla V**. Association of heart failure and pulmonary hypertension among individuals with coexisting congenital heart defects and Down syndrome. (May 2021, MPH)
10. Finn J, Suhl J, Conway K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital diaphragmatic hernia in Iowa: a population-based analysis (May 2021, MPH)

11. Russell O, Thompson B, **Kancherla V**. Academic achievement and electronic nicotine delivery systems (ENDS) usage among 9<sup>th</sup>-12<sup>th</sup> graders in the US, Youth Risk Behavior Surveillance, 2017 (Jul 2019, MPH)
12. Lachiewicz M, Hailstorks T, **Kancherla V**. Employment Status in the United States and Access to Highly and Moderately Effective Contraceptives: An Analysis of the National Survey of Family Growth in the Post-Affordable Care Act, Pre-COVID-19 era (Dec 2020, MPH)
13. Rondini K, Pachon H, Chai A, **Kancherla V**. Association between national mandatory flour fortification legislation and anemia prevalence among non-pregnant women of reproductive age: A difference in differences approach (Jul 2019, MPH)
14. Omerhi I, **Kancherla V**. Impact of Pre-exposure Prophylaxis (PrEP) on condom use and subsequent sexually transmitted infection (STI) incidence among men who have sex with men (MSM) in Mecklenburg County North Carolina (Dec 2019, MPH)
15. Kay A, Pachón H, Christiansen-Lindquist L, **Kancherla V**. Childhood anemia and Food Fortification (Jul 2019, MPH)
16. Mowla S, Räisänen S, Gissler M, Heinonen S, **Kancherla V**. Maternal pregestational diabetes and neural tube defects in Finland (Apr 2019, MPH)
17. Konrad T, Pachón H, **Kancherla V**. Anemia and food fortification in Demographic and Health Surveys (Apr 2019, MPH)
18. Loudon A, Romitti PA, **Kancherla V**. Maternal periconceptional alcohol exposure and neural tube defects: Findings from the National Birth Defects Prevention Study. (Apr 2019, MPH)
19. Redpath B, Oakley GP Jr, **Kancherla V**. The association between folate concentrations and stroke. (Apr 2019, MPH)
20. Xu S, Suhl J, Caspers K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital hydrocephalus – a population-based analysis (Apr 2019, MPH)
21. Manadhar M, Baydoun H, **Kancherla V**. Obesity and folate concentrations among women of reproductive age in the US, NHANES 2011-2012 (Apr 2019, EMPH)
22. Brasfield J, Goulding S, **Kancherla V**. Breastfeeding duration and attention deficit hyperactivity disorder: Findings from the 2016 National Survey of Children's Health (Apr 2019, EMPH)
23. Rachelle J, **Kancherla V**. Association between maternal income status and infant mortality in Tanzania: Findings from the 2015-2016 Demographic and Health Survey (April 2019, EMPH)
24. Gutierrez H, **Kancherla V**. The impact of geographic moves on child flourishing: National Survey of Children's Health 2011-2012. (Dec 2018, EMPH)
25. Kumar A, Kramer M, **Kancherla V**. Screentime and attention deficit hyperactivity disorder in school-aged children in the United States: The National Survey of Children's Health. (Aug 2018, EMPH)
26. Miller B, **Kancherla V**, Christiansen-Lindquist L. Association between autopsy status and the reporting of well-defined causes of death in fetal death certificates. (Apr 2018, MPH)
27. Renuka R, Romitti PA, **Kancherla V**. Epidemiology of congenital pyloric stenosis in the United States, National Birth Defects Prevention Network. (May 2017, MPH)
28. Li C, Binongo J, **Kancherla V**. Effect of age and parity on the risk of pregnancy-associated hypertension among Asian American mothers with singleton births in the United States. (May 2017, MPH)

29. Joseph A, Oakley GP Jr, **Kancherla V**. Contribution of birth defects to infant mortality in the United States, 2012-2014. (May 2017, MPH)
30. J Arroyo, Blas M, **Kancherla V**. Unintended pregnancy and its association with inadequate rotavirus immunization in Peruvian children, Demographic Health Survey, 2012. (Dec 2016, EMPH)
31. Horslov T, Binongo J, **Kancherla V**. Maternal exposure to chlamydia during pregnancy and risk of gastroschisis in the offspring. (Dec 2016, EMPH)
32. De Grauw X, Thurman D, Xu L, De Grauw A, **Kancherla V**. Epidemiology of traumatic brain injury-associated epilepsy and its prevention by using anti-epilepsy drugs. (Dec 2016, EMPH)
33. Mukhtar M, Kramer M, Oakley GP Jr, **Kancherla V**. Race/ethnicity and preconception folic acid supplement use in Georgia: Pregnancy Risk Assessment Monitoring Survey, 2009-2011. (May 2016, MPH)
34. Nyugen B, Baydoun H, Wiess P, **Kancherla V**. Race/ethnicity differences in the association between Serum Folate Levels and Depression in Reproductive Aged U.S. Women, NHANES (2011-2012). (May 2016, MPH)
35. Granby G, Christiansen-Lindquist L, **Kancherla V**. Women's current religious affiliation and emergency contraception use, National Survey of Family Growth 2011-2013. May 2016 (EMPH)
36. Amisssah E, Ko Y, R Li, **Kancherla V**. A validation study of maternal recall on breast-feeding duration six years after childbirth. (May 2016, EMPH)
37. Wu M, Kramer M, **Kancherla V**. Educational level and self-reported breastfeeding duration among primiparas in the National Survey of Family Growth, 2011-2013. (May 2016, EMPH)
38. Dong D, Binongo J, **Kancherla V**. Association between maternal chlamydia during pregnancy and risk of cyanotic congenital heart defects in the offspring. (May 2016, CMPH)
39. Morris C & **Kancherla V**. Medication use in children aged 6-17 years for selected behavioral and emotional conditions and its association with preterm birth: 2011-2012 National Survey of Children's Health (NSCH), (Aug 2015, CMPH)
40. Diaz D, Baydoun H, **Kancherla V**. Serum acrylamide level and self-reported health status in women of reproductive age, National Health and Nutrition Examination Survey, 2003-2004 (May 2015, CMPH)

### **THESIS COMMITTEE MEMBER**

1. Beagle L, **Kancherla V**, Mutic A, Gaskins A. Maternal Periconceptional Exposure to Extreme Ambient Heat and Risk of Neural Tube Defects in Babies in Georgia, 1994-2017 (May 2023, MPH).
2. Rogers P, Young M, **Kancherla V**, Cranmer J. Determinants of Exclusive Breastfeeding among Low Birthweight Infants in Ethiopia: A Survey-Based Analysis from the Saving Little Lives – Kangaroo Mother Care Program, 2021 (May 2022, MPH)
3. Cao Y, **Kancherla V**, Binongo J. A Propensity Score Matching Analysis of Selected Maternal Sexually Transmitted Diseases and Preterm Birth in the United States, 2016 to 2018 (May 2018, MPH)

## **DOCTORAL DISSERTATION ADVISING**

1. Ghotme KA. (2022). The NeuroAdvocacy Toolkit: A Knowledge Translation Strategy to Strengthen Food Fortification Policies to Prevent Neural Tube Defects in Latin American Countries. A Mixed-Method Study. Department of Clinical Research & Leadership, The George Washington University, Washington, D.C. USA (served as Reader)
2. Smith AA. (2022). Prevention of spina bifida through iodized salt fortification with folic acid. The University of Alabama at Birmingham, Birmingham, Alabama, USA (served as committee member).
3. Bhide PS (2019). Epidemiology of congenital anomalies and their public health impact in India. School of Health Sciences, Savitribai Phule Pune University, Pune, India (served as committee member)

## **INVITED SPEAKER**

- Status of global prevention of folic acid-preventable neural tube defects. 76<sup>th</sup> World Health Assembly Resolution on Micronutrient Fortification of Staple Foods to Prevent Birth Defects: The Way Forward. *Online webinar co-sponsored by Society for Birth Defects Research and Prevention and the Global Alliance for Improved Nutrition.* (Served as speaker and moderator, which had over 700 registrants) (May 2, 2024)
- Preventing neural tube defects: Global and South African perspectives on folic acid staple food fortification. Webinar. *Rare Diseases South Africa.* (Mar 5, 2024)
- Micronutrients in diet and glycemic control for a healthy pregnancy. Gender-Responsive and Nutri-Sensitive Food Systems – Delivering Nutrition and Health for All Session, Krushi Odisha-2024, *International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India* (Jan 12, 2024).
- Epidemiology of spina bifida anencephaly: a global public health concern in need of prevention. *World Health Assembly Side Event, Geneva, Switzerland.* (May 2022)
- Webinar: Surveillance of neural tube defects. *Society for Birth Defects Research and Prevention.* (May 2020)
- Epidemic of Spina Bifida in Ethiopia: Preventive and Neurosurgical Interventions. *Federal Ministry of Health, Addis Ababa, Ethiopia* (Apr 2019)
- Birth defects epidemiology in the United States. *Pune Public Health Conference on Birth Defects in India, Pune, Maharashtra, India* (Feb 2013)

## **OP-EDs / SCIENCE BLOGS**

1. Walani S, Zheleva B, **Kancherla V.** (2024). The time has come for prioritizing birth defects prevention and care. *AlignMNH.* <https://www.alignmnh.org/2024/02/26/the-time-has-come-for-prioritizing-birth-defects-prevention-and-care/>
2. **Kancherla V.** World Health Assembly resolution for preventing micronutrient deficiencies and associated neural tube defects – the power of partnerships.
3. Arynchyna-Smith A, Ocal E, Singer T, Gomez MG, Ghotme K, **Kancherla V,** Oakley G, Caceres A, Boop F, Rosseau G, Blount J. (2023). WHA 76.19 resolution: A triumph of pediatric specialists and civil sociert partners at 76<sup>th</sup> World Health Assembly (2023) to end preventable neural tube defects. *AAP Section on Global Health Newsletter;* 4(3):25-27



4. Dorsey A, **Kancherla V**. A summer study experience on clinical care and prevention policy for spina bifida in Ethiopia. (2023). Mar 1, 2023. <https://birthdefectsresearch.medium.com/a-summer-study-experience-on-clinical-care-and-prevention-policy-for-spina-bifida-in-ethiopia-17ec337a90e2>
5. Boop FA, Blount J, Rosseau G, Maleknia P, Doesey A, Arynchyna-Smith A, **Kancherla V**. Sep 1, 2022. The role of neurosurgeons in public health advocacy: The evolution of GAPSBiF. <https://www.aansneurosurgeon.org/feature/17069/>
6. **Kancherla V**. 2022 FFI Fortification Champions: 20 Years, 20 Fortification Champions. Aug 29, 2022. <https://www.ffinetwork.org/ffimedia/ffi20-vijaya-kancherla>
7. Salehani A, Blount J, Caceres A, Chatterjee S, Ghotme K, **Kancherla V**, Koning M, Oakley GP Jr., Reynolds B, Shumbash K, Simpson L, Rosseau G. (2020). What We Did During COVID-19: Brief Report From the Folic Acid Fortification Advocacy Team. *AANS Neurosurgeon* 29(3). <https://aansneurosurgeon.org/features/what-we-did-during-covid-19-brief-report-from-the-folic-acid-fortification-advocacy-team/>
8. **Kancherla V**. Measuring the prevalence of neural tube defects: Why global surveillance needs improvement now. The Teratology Society – Birth Defects Research Connection. Jan 29, 2019. <https://connection.teratology.org/p/bl/et/blogid=4&blogaid=1203>
9. **Kancherla V**. Adding folic acid to staple foods can prevent birth defects, but most countries don't do it. *The Conversation*. Mar 9, 2016. <https://theconversation.com/adding-folic-acid-to-staple-foods-can-prevent-birth-defects-but-most-countries-dont-do-it-55533>
10. Walani S & **Kancherla V**. Bringing Birth Defects to the Forefront of Maternal, Newborn and Child Health Issues in the Era of SDGs. *Healthy Newborn Network*. Feb 28, 2018. <https://www.healthynewbornnetwork.org/blog/bringing-birth-defects-forefront-maternal-newborn-child-health-issues-era-sdgs/>
11. **Kancherla V** & Zimmerman S. Fortifying flour with folic acid could immediately prevent 57,000 annual birth defects, study suggests. *Emory News Center*. Mar 20, 2018. [http://news.emory.edu/stories/2018/03/folic\\_acid\\_fortification/](http://news.emory.edu/stories/2018/03/folic_acid_fortification/)

## **SKILLS**

- **Research:** Literature review, Meta-analysis, Epidemiological study design and advanced epidemiological data analysis. Trained and experience in working with large datasets including Medicaid and MarketScan administrative data for epidemiological research
- **Clinical:** Trained in human anatomy and physiology, biochemistry, pathology, social and preventive medicine, clinical trials, obstetrics and gynecology, pediatrics, internal medicine.
- **Statistical Programs:** SPSS, SAS, R, SUDAAN, Epi-INFO
- **Teaching:** Curriculum development, instruction, in-class and online courses, thesis mentoring
- **Writing:** Peer-reviewed manuscripts, reports, grant protocols
- **Languages:** English, Hindi, Telugu, Marathi (*Proficient in all the listed languages*)

## **VOLUNTEER ACTIVITIES**

- Volunteer, March of Dimes. PeriStats (Volunteer): Literature review on electively induced delivery and pregnancy outcomes (Aug 2010)
- Speaker, Leadership Seminar: Center for Leadership in Disability. Georgia State University (Fall 2010)

- Volunteer, CDC Field Study in 2008 Flood Affected Regions of Iowa: Field interviewer for public health communication effectiveness in flood affected regions of Iowa. CDC Epidemic Intelligence Service and Iowa Department of Public Health (Jul 2008)
- Volunteer, March of Dimes. PeriStats: Conducted literature review for preterm births (Summer 2008)
- Graduate Student Mentor, Epidemiology Student Mentor-Mentee Program: The University of Iowa (2007)
- Student Advisor, Student Health Services Charter Committee: The University of Iowa (2006)
- Graduate Student Representative, Graduate Student Senate: The University of Iowa (2006 – 2007)
- Secretary and Treasurer - Eta Sigma Gamma Health Education Honorary Society: Southern Illinois University Chapter (2003 – 2004)

### **PROFESSIONAL AFFILIATIONS**

- Society for Epidemiological Research (SER)
- Society for Perinatal and Reproductive Epidemiology (SPER)
- Society for Birth Defects Research & Prevention (Previously: Teratology Society)
- International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR)
- Sub-Saharan African Congenital Anomalies Network (sSCAN)