

VIJAYA KANCHERLA, MS, PhD

Department of Epidemiology
Emory University Rollins School of Public Health
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EDUCATION

The University of Iowa, Iowa City, Iowa
Doctor of Philosophy (PhD) in Epidemiology, Dec 2010
PhD Thesis: Epidemiology of Choanal Atresia - The National Birth Defects Prevention Study
Advisor: Paul A. Romitti, PhD

Southern Illinois University at Carbondale, Illinois
Master of Science (MS) in Community Health Education, Aug 2004

N T R University of Health Sciences, Andhra Pradesh, India
Bachelor of Homeopathic Medicine and Surgery (BHMS), Dec 2000

EXPERIENCE

Assistant Professor, Aug 2017 - Continued.

Instructor, Aug 2012-Jul 2017

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

Teaching:

- 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-Ongoing)
- Fundamentals of Epidemiology (AEPI 504D)
2 Credit Hours. Spring (2018-Ongoing)
- 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 - R Programming (Summer 2020)

Research:

- Birth defects surveillance, epidemiology, prevention, outcomes, and policy
- Maternal and child health
- Global folic acid preventable-spina bifida and anencephaly 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, Center for Spina Bifida Prevention, Rollins School of Public Health, Emory University, Aug 2012 – Continued.

Responsibilities: Epidemiology, global health, prevention policy, science-based advocacy for prevention of neural tube defects (spina bifida and anencephaly).

Associate Director, Applied Epidemiology (AEPI) Track, Executive MPH, Aug 2019 – Continued.

Executive Master of Public Health 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: Marshallyn 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, grading, developing class and home assignments

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
- Evaluation of public health practice, Upper Midwest Area Health Education Centers

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 research
- 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
- Prepared class and home assignments
- Test design and grading
- 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: Aimon 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
- Nutrition in women of reproductive age
- Surveillance of biomarkers for maternal nutritional status during pregnancy
- Preconception health
- Implementation science
- Pharmacoepidemiology of birth defects
- Global health in reproductive, maternal, newborn, child and adolescent health

PEER-REVIEWED PUBLICATIONS

Published Manuscripts (#indicates thesis mentee/research assistant)

1. 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 years: Findings from the GBD-WHO Rehabilitation Database 2019. *Frontiers Pub Health* (Accepted)

2. Finn J#, 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*; doi: 10.1002/bdr2.2059. Online ahead of print.
3. 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*; doi: 10.1017/S1368980022001318. Online ahead of print.
4. **Kancherla V**, Botto L, Rowe L, Blount J, Rosseau G, Ceceres A, Shlobin N, Smith A, Zimmerman K, Oakley GP, RJ Berry. (2022). Preventing birth defects, saving lives, and promoting health equity: An Urgent Call to Action for World Health Assembly Resolution for universal mandatory food fortification with folic acid. *Lancet Glob Health*; 10(7):e1053-e1057.
5. 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.
6. **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*; doi: 10.1002/bdr2.2055. Online ahead of print.
7. **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*; 2022 doi: 10.1055/s-0042-1748318. Online ahead of print.
8. Jiwok JC, 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
9. **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
10. Mowla S, 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
11. **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.
12. Brasfield J#, Goulding S, **Kancherla V**. (2021). Breastfeeding and attention deficit/hyperactivity disorder in United States preschool children. *Res Dev Disabil*;115:103995

13. **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
14. 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*;doi: 10.1093/aje/kwab061. Online ahead of print.
15. **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
16. **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
17. 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. (2020). Prevalence and mortality among children with congenital diaphragmatic hernia, 1974-2015: A Multi-Registry Analysis. *Annals of Epidemiol*;S1047-2797(20)30415-4
18. 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, Šípek 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
19. 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
20. **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
21. Wegner C*, **Kancherla V***, Lux A, Köhn A, Bretschneider D, Freese K, Heiduk M, Redlich A, Schleef 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)
22. **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):E1352
23. 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
24. 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
 25. Manandhar M[#], 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
 26. **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
 27. Louden AR[#], 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
 28. 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
 29. Mowla S[#], 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
 30. 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. (2019). Analysis of mortality among neonates and children with spina bifida from registries in multiple countries, 2001-2012. *Paediat Perinatal Epidemiol*;33(6):436-448 (*both authors contributed as primary authors)
 31. Goel N, Morris JK, Tucker D, EK de Walle H, Bakker MK, **Kancherla V**, Marengo L, Canfield MA, Kallen K, Lelong N, Camelo JL, Stallings EB, Jones AM, Nance A, Huynh M, Fernández MLM, Sipek A, Pierini A, Nembhard WN, Goetz D, Rissmann A, Groisman B, Luna-Muñoz L, Szabova E, Lapchenko S, Zarante I, Martinez LE, Tagliabue G, Landau D, Gatt M, Dastgiri D, Morgan M. (2019). Trisomy 13 and 18 – Prevalence and Mortality – a Multi-Registry Population Based Analysis. (2019). *Amer J Med Genet Part A*;179(12):2382-2392
 32. Dixon M[#], **Kancherla V**, Mulugeta A, Magana T, Oakley GP Jr. (2019). High Potential for Reducing Folic Acid-Preventable Spina Bifida and Anencephaly and Related Stillbirth and Child Mortality in Ethiopia. *Birth Def Res*;111(19):1513-1519
 33. Li C[#], Binongo J, **Kancherla V**. (2019). Effect of parity on pregnancy-associated hypertension among Asian American women in the United States. *Mat Child Health J*;23(8):1098-1107
 34. **Kancherla V**, Averbach H, Oakley GP Jr. (2019). Nation-wide failure of voluntary folic acid fortification of corn masa flour and tortillas with folic acid. *Birth Defects Res*;111(11):672-675
 35. **Kancherla V**, Weakland A, Xu S, Walani S. (2019). Scorecard for spina bifida research, prevention, and policy: Score analysis by Human Development Index and WHO region. *Prev Med*;123:1-7

36. Kapoor R, DiCarlo K, Raman L, Thibadeau J, **Kancherla V**. (2019). Needs assessment survey for families and young adults with spina bifida. *J Pediatr Rehabil Med*; 12(4):383-392
37. **Kancherla V**, Carmichael SL, Feldkamp ML, Berry RJ. (2019). Teratology society position statement on surveillance and prevalence estimation of neural tube defects. *Birth Defects Res*;111(1):5-8
38. Zarante I, Hurtado-Villa P, Walani S, **Kancherla V**, López-Camelo, Giugliani R, Groisman B, Howson C, Durán P. (2019). A consensus statement on birth defects surveillance, prevention and care in Latin America. *Pan Amer J Public Health*;43:e2
39. Kapoor R[#], **Kancherla V**, Cao Y, Oleson J, Canfield MA, Druschel CM, Kirby RS, Meyer R, Romitti PA. (2018). Prevalence and descriptive epidemiology of Infantile Hypertrophic Pyloric Stenosis in United States: A Multi-state population-based, retrospective study, 1999-2010. *Birth Defects Res*;111(3):159-169
40. Redpath B, **Kancherla V**, Oakley GP. (2018). Availability of corn masa flour and tortillas fortified with folic acid in Atlanta after national regulations allowing voluntary fortification. *JAMA*;320(15):1600-1601
41. Global Research on Developmental Disabilities Collaborators. (2018). Developmental disabilities among children younger than 5 years in 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Glob Health*;6(10):e1100-e1121
42. DeGrauw X[#], Thurman D, Xu L, **Kancherla V**, DeGrauw T. (2018). Epidemiology of traumatic brain injury-associated epilepsy and early use of anti-epilepsy drugs: an analysis of U.S. insurance claims data, 2004-2014. *Epilepsy Res*;146:41-49
43. **Kancherla V**, Wagh K, Johnson Q, Oakley GP Jr. (2018). A 2017 update on global prevention of folic acid-preventable spina bifida and anencephaly. *Birth Def Res*;110(14):1139-1147
44. **Kancherla V**, Redpath B, Oakley GP Jr. (2018). Reductions in child mortality by preventing spina bifida and anencephaly – Implications in achieving Target 3.2 of the Sustainable Development Goals in countries with immediate potential for folic acid fortification. *Birth Defects Res*;111(14):958-966
45. **Kancherla V**. (2018). Countries with an immediate potential for primary prevention of spina bifida and anencephaly through mandatory fortification of wheat flour with folic acid. *Birth Defects Res*; 110(11):956-965
46. **Kancherla V**, Black R. (2018). A historical perspective and challenges in estimation of global prevalence of neural tube defects. *Ann NY Acad Sci*;1414(1):20-30
47. Blencowe H, **Kancherla V**, Moorthie S, Darlison M, Gibbons S, Modell B. (2018). Estimates of global and regional prevalence of neural tube defects for 2015: a systematic analysis. *Ann NY Acad Sci*;1414(1):31-46
48. Echaiz J[#], Blas M, **Kancherla V**. (2018). Unintended pregnancy and its impact on childhood rotavirus immunization in Peru. *Revista Panamericana de Salud Publica*;42:e96
49. Horslov T[#], Binongo J, **Kancherla V**. (2018) Pregnancy risk factors associated with the risk of gastroschisis in the offspring. *Birth Defects Res*;110(5):429-442
50. **Kancherla V**, Hasan MOS, Hamid R, Oakley GP Jr., Rahman M, Quamruzzaman Q, Mazumdar M. (2017). Prenatal folic acid use associated with decreased risk of myelomeningocele: Further support for folic acid fortification in Bangladesh. *PLoS One* 30;12(11):e0188726
51. **Kancherla V**, Oakley GP Jr. (2017). Total prevention of folic acid-preventable spina bifida and anencephaly would reduce child mortality in India – Implications in achieving Target 3.2 of the Sustainable Development Goals. *Birth Defects Res*;110(5):421-428

52. Nguyen B[#], Weiss P, Baydoun H, **Kancherla V** (2017). The race and ethnicity differences in the association between serum folate levels and depression in reproductive aged US women, NHANES (2011-2012). *J Affect Disord*;223:209-217
53. Amissah EA[#], **Kancherla V**, Ko Y, Li R (2017). Validation study of maternal recall on breastfeeding duration 6 years after childbirth. *J Hum Lact*;33(2):390-400
54. **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. *Prev Med*;99:13-20
55. **Kancherla V**, Elliott JL Jr, Patel BB, Holland NW, Johnson TM 2nd, Khakharia A, Phillips LS, Oakley GP Jr, Vaughan CP (2017). Long-term metformin therapy and monitoring for vitamin B-12 deficiency among older Veterans. *J Am Geriatric Soc*;65(5):1061-1066
56. Mukhtar A[#], Kramer MR, Oakley GP Jr., **Kancherla V** (2017). Periconceptional folic acid intake among women of reproductive age in Georgia, Pregnancy Risk Assessment and Monitoring Survey. *Birth Defects Res Part A Clin Mol Teratol*;109(1):38-48
57. **Kancherla V**, Garn J, Zakai NA, Williamson RS, Cashion WT, Oluwaseun O, Judd S, McClellan W, Oakley GP Jr. (2016). Multivitamin use and serum vitamin B-12 levels in older-adult metformin users in REGARDS, 2003-2007. *PLoS One*;11(8):p.e0160802
58. 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. *Birth Defects Res A Clin Mol Teratol*;106(7):520-529
59. Oakley GP Jr., **Kancherla V** (2016). Will the eastern mediterranean region be the first to prevent all of folic acid preventable-spina bifida and anencephaly? *Saudi Med J*;37(1):10-11.
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61. Dong D[#], Binongo J, **Kancherla V** (2016). Maternal *Chlamydia* infection during pregnancy and risk of cyanotic congenital heart defects in the offspring. *Mat and Child Health J*;20(1):66-76
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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, page 22-page 24.

CONFERENCE PRESENTATIONS

Posters Presentations

1. **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.*
2. **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.*
3. **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.*
4. **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)*
5. **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)*

6. 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)*
7. 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)*
8. **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)*
9. 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)*
10. 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)*
11. 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)*
12. **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)*
13. **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*
14. 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*
15. **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*
16. **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*
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20. 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*
21. **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*
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24. 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*
25. **Kancherla V**. Identifying countries with immediate mandatory fortification potential to prevent spina bifida and anencephaly. *Teratology Society Annual Meeting, Clearwater Beach, Jun 2018*
26. **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*
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29. **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*
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32. 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*
33. 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*
34. 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*

35. **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*
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41. **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*
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43. 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*
44. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M. Vision impairment, hearing loss and autism spectrum disorders. *Society for Epidemiologic Research, Boston, Jun 2013*
45. **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*
46. 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*
47. **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*
48. **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*
49. **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*
50. **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*

51. 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*
52. **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)*
53. **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*
54. 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*
55. 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**, 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 Hydrocephalus Scientific Conference. Sep 2021 (Virtual Meeting)*.
2. **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*
3. **Kancherla V**. F. Clarke Fraser New Investigator Award Presentation. *Society for Birth Defects Research and Prevention Annual Meeting, June 2021 (Virtual Meeting)*
4. Blencowe H, **Kancherla V**, Moorithie 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)*
5. **Kancherla V**. Salt as an alternative to promote folic acid fortification in selected low- and middle-income countries. *Micronutrient Forum, Nov 2020 (Virtual Meeting)*
6. **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)*
7. **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)*
8. **Kancherla V**. Roos N, Walani S. Linking birth defects to Sustainable Development Goals (2030). *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*
9. **Kancherla V**. Mapping birth defects surveillance programs globally - WHO. *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*
10. **Kancherla V**. Global Prevention of Neural Tube Defects With Folic Acid-Fortified Wheat and Salt. *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*
11. **Kancherla V**, Wagh K, Pachon H, Oakley GP Jr. 2019 Global status of prevention of folic acid-preventable neural tube defects. *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*

12. **Kancherla V.** Salt as an alternative to promote folic acid fortification in selected low- and middle-income countries. *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*
13. 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. *9th International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Feb 2020*
14. **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, Sep 2019*
15. 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)*
16. **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*
17. **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*
18. **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, Nov 2017.*
19. 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, Bogota, Colombia, Nov 2017*
20. 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, Bogota, Colombia, Nov 2017*
21. **Kancherla V.** Global prevention of folic acid-preventable spina bifida and anencephaly. *International Conference on Birth Defects and Disabilities in Developing Countries, Bogota, Colombia, Nov 2017*
22. **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, Bogota, Colombia, Nov 2017*
23. 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 21st International Congress on Nutrition, Buenos Aires, Argentina, Oct 2017*
24. **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, Oct 2017*
25. 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, Jun 2017. 2017 Wilson Publication Award Spotlight Presentation*

26. **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, Jun 2017
27. 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
28. **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
29. **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, Jun 2016
30. **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
31. Pachón H, **Kancherla V**, Oakley GP Jr. Mapping fortification in Latin America and Europe. *Congreso Latinoamericano de Nutrición (SLAN)*. Dominican Republic, Oct 2015
32. **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
33. **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
34. **Kancherla V**. Birth defects in the United States: Surveillance, epidemiology and prevention. *Pune Public Health Conference 2013*, University of Pune, Maharashtra, India, Feb 2013

RESEARCH GRANTS

1. Principal Investigator. 2022-2023. US\$ 10,000. Halt neural tube defects: Testing a salt fortification mechanism for NTD-Epidemic Context. Emory Global Health Institute Rapid Response Grant.
2. Sub-contract. Oct 2017-May 2019. NIH-NICHD R01 Grant - MD007796. Disparities in Care, Morbidity & Survival Among Infants with Birth Defects. PI: Stanford University
3. Sub-contract. Sep 2018-Sep 2023. CDC U01DD001223. Iowa CBDRP: Component A BD-STEPS II Core. PI: University of Iowa – Iowa Registry for Congenital and Inherited Disorders
4. Co-Investigator. 2017 – Ongoing. Surveillance of Congenital Heart Defects Among Children, Adolescents, and Adults. US Centers for Disease Control and Prevention. CDC-RFA-DD19-1902 Component A.
5. Co-Principal Investigator. Jan 2016 – Apr 2016. 50% effort. Centers for Disease Control and Prevention. Project: Mandatory Folic Acid Fortification Readiness Review
6. Co-Principal Investigator. 2014-2016, US\$ 100,000, Rich Foundation, Atlanta – Project: Epidemiology of spina bifida and anencephaly in Metro-politan Atlanta

OTHER PROFESSIONAL ACTIVITIES

1. Member, WHO Technical Working Group on Burden of Birth Defects (TWGBBD), World Health Organization (Jul 2022-Jul 2023)
2. Guest Researcher, National Center on Birth Defects and Developmental Disabilities, US Centers for Disease Control and Prevention (May 2020 – Ongoing)
3. Consultant, ReachAnother Foundation, Bend, OR. (May 2018-Ongoing)

4. *Co-Chair, Genetics and Epidemiology Session, 2013 World Congress on Spina Bifida Research and Care (Mar 2023)*
5. *Co-Chair, Public Affairs Committee Symposium – COVID-19 in Pregnancy, Society for Birth Defects Research and Prevention Annual Conference (June 2023)*
6. *Member, Surveillance Data Committee, National Birth Defects Prevention Network (Nov 2021 – Ongoing)*
7. *Chair, Public Affairs Committee. Society for Birth Defects Research and Prevention (Jul 2021 – June 2023)*
8. *Research Advisory Council Member. Spina Bifida Association. (Jun 2021 – Ongoing)*
9. *2022 Conference Program Committee Member. Society for Birth Defects Research and Prevention. (Jul 2021 – Jun 2022)*
10. *Awards Committee Member. Society for Birth Defects Research and Prevention. (Jul 2021 – Jun 2024)*
11. *Collaborator and Reviewer for CBDRP. Iowa Registry for Congenital and Inherited Disorders. (Aug 2017 – Ongoing)*
12. *Consultant. Department of Maternal, Newborn, Child and Adolescent Health, World Health Organization (WHO). (2017-Ongoing)*
13. *Technical Expert. Global WHO Birth Defects Technical Working Group. World Health Organization. (Feb 2019-Ongoing)*
14. *Committee Member. Scientific Committee, World Birth Defects Day, International Clearinghouse for Birth Defects Surveillance and Research (Sep 2018)*
15. *Member. Global Research on Developmental Disabilities Collaborators. Global Burden of Disease Study, Institute for Health Metrics and Evaluation (IHME), Seattle, WA (July 2018-Ongoing)*
16. *Consultant. Mapping Birth Defect Surveillance and Tools – Birth Defects Outside the Americas. World Health Organization (June 2018-Mar 2019)*
17. *Committee Member. Consensus Statement of Birth Defects in Latin America. 2017 International Conference on Birth Defects and Disabilities in Developing Countries. March of Dimes.*
18. *Member. Global Burden of Disease Collaborator Network. Institute for Health Metrics and Evaluation. University of Washington (2018-Ongoing)*
19. *Co-Chair. Public Affairs Committee, Society for Birth Defects Research & Prevention (Previously: Teratology Society) (2019-2021)*
20. *Committee Member. Public Affairs Committee, Teratology Society (2018-2019)*
21. *Member. Scientific Committee, 8th International Conference on Birth Defects and Disabilities in Developing Countries, Colombia (2017, 2019)*
22. *Member. SER Publication Committee. Twitter Initiative Group (2016-2018)*
23. *Team Lead. PUSH! Score Card Project. PUSH! Global Alliance for Spina Bifida and Hydrocephalus.*
24. *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)*
25. *Consultant. Micronutrient Initiative. 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)*
26. *Affiliate Member. International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR), Italy (2014-ongoing)*
27. *Member. PUSH! Global Alliance for Spina Bifida and Hydrocephaly (2015-ongoing)*

28. *Member*. Selection Committee, Emory Global Field Experience Program (2016-ongoing)
29. *Member*. Master of Public Health (MPH) Admissions Committee, Department of Epidemiology, Emory University Rollins School of Public Health (2014-ongoing)
30. *Co-Principal Investigator*. Spina Bifida Mortality Project, International Clearinghouse on Birth Defects Surveillance and Research (ICBDSR) (2015-ongoing)
31. *Board Member*. Spina Bifida Association of Georgia, Atlanta, Georgia (2014-2018)
32. *Affiliate Member*. Section on Epidemiology (SOEp), American Academy of Pediatrics (2014-ongoing)
33. *Member*. Sub-committee on Hyperbilirubinemia Clinical Practice Guideline Subcommittee, American Academy of Pediatrics, Chicago, IL (2014-ongoing)
34. *Participant Working Group*. 7th international conference on birth defects and disabilities in the developing world. (2016)
35. *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. *2021 F. Clark Frazer New Investigator Award*. Society for Birth Defects Research and Prevention (Jun 2021)
2. *2017 Alessandra Lisi Award*. International Clearinghouse for Birth Defects Surveillance and Research (Aug 2017)
3. *2017 Faculty Teaching Award*. Executive MPH Program. Emory University Rollins School of Public Health (Jun 2017)
4. *2017 James G. Wilson Publication Award – Teratology Society* (Jun 2017)
5. *Pierre Decouflé Fellowship*. Association of University Centers on Disabilities, Silver Spings, MD (Jan 2010)
6. *NICHD-IHDCYH 5th Annual Summer Institute Award*. Reproductive and Perinatal Epidemiology (Jul 2009)
7. *Student Travel Award*. Poster on Meta-Analysis of Per-, Peri-, and Neonatal Risk Factors for Autism. SER annual conference, Seattle (Jun 2006)
8. *Academic Distinction in Social and Preventive Medicine*. NTR University of Health Sciences, India (Dec 1997)

OTHER PROFESSIONAL TRAINING

1. *Human Teratogens*, University of South Florida, Society for Birth Defects Research and Prevention (BDRP), Organization of Teratology Information Specialists (OTIS) (Nov 2021)
2. *CliftonStrengths Assessment Training*, Emory University (Aug 2021) (Personal Themes: Intellection, Responsibility, Arranger, Input, Learner)
3. *Fellow*, Woodruff Health Educators Academy Teaching Fellowship, Emory University (Mar 2020-Feb 2021)
4. *Trainee*, Programming in R. Stats Camp (Feb 2019)
5. *Faculty Facilitator*, Inter-Professional Team Training Day (ITTD), Emory University Rollins School of Public Health (Sep 2018, Jan 2021)
6. *Summer Short Course on Causal Inference*. Harvard TH Chan School of Public Health (Jun 2018).
7. *Faculty Mentorship Training Series – Atlanta Society of Mentors*. Emory University (Oct 2017)

8. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2015*: Emory University Oxford College, Oxford, GA (May 2015)
9. *2014 Training Program on Surveillance and Prevention of Birth Defects and Preterm Births*: ICBD SR, WHO-Geneva, Switzerland (Jul 2014)
10. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2013*: Emory University Oxford College, Oxford, GA (May 2013)
11. *Human Teratogens – Environmental Factors that Cause Birth Defects*: Harvard Medical School – Department of Continuing Education, Boston, MA (Apr 2013)
12. *Research Methods in Life Course Epidemiology*: EPIC Summer Institute, Columbia University – Mailman School of Public Health, New York, NY (Jun 2012)
13. *ResDAC Medicaid Data Training*: University of Minnesota, Minneapolis, MN (Sep 2011)
14. *Marketscan® Database Training*: Thompson Reuters, Atlanta, GA (Jul 2011)
15. *Successful Scientific Writing*: Centers for Disease Control and Prevention, Atlanta, GA (Feb 2011)

BOOK CHAPTERS

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

THESIS CHAIR

1. 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)
2. 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)
3. 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)
4. Lawrence S, Romitti PA, **Kancherla V**. Prevalence and descriptive epidemiology of omphalocele in Iowa, 2000-2019 (May 2022)
5. 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)

6. 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)
7. 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)
8. 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)
9. Finn J, Suhl J, Conway K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital diaphragmatic hernia in Iowa: a population-based analysis (May 2021)
10. Russell O, Thompson B, **Kancherla V**. Academic achievement and electronic nicotine delivery systems (ENDS) usage among 9th-12th graders in the US, Youth Risk Behavior Surveillance, 2017 (Jul 2019, MPH)
11. 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)
12. 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)
13. 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)
14. Kay A, Pachón H, Christiansen-Lindquist L, **Kancherla V**. Childhood anemia and Food Fortification (Jul 2019, MPH)
15. Mowla S, Räisänen S, Gissler M, Heinonen S, **Kancherla V**. Maternal pregestational diabetes and neural tube defects in Finland (Apr 2019, MPH)
16. Konrad T, Pachón H, **Kancherla V**. Anemia and food fortification in Demographic and Health Surveys (Apr 2019, MPH)
17. 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)
18. Redpath B, Oakley GP Jr, **Kancherla V**. The association between folate concentrations and stroke. (Apr 2019, MPH)
19. Xu S, Suhl J, Caspers K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital hydrocephalus – a population-based analysis (Apr 2019, MPH)
20. Manadhar M, Baydoun H, **Kancherla V**. Obesity and folate concentrations among women of reproductive age in the US, NHANES 2011-2012 (Apr 2019, EMPH)
21. 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)
22. Rachele 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)
23. Gutierrez H, **Kancherla V**. The impact of geographic moves on child flourishing: National Survey of Children’s Health 2011-2012. (Dec 2018, EMPH)

24. Kumar A, Kramer M, **Kancherla V**. Screen time and attention deficit hyperactivity disorder in school-aged children in the United States: The National Survey of Children's Health. (Aug 2018, EMPH)
25. 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)
26. Renuka R, Romitti PA, **Kancherla V**. Epidemiology of congenital pyloric stenosis in the United States, National Birth Defects Prevention Network. (May 2017, MPH)
27. 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)
28. Joseph A, Oakley GP Jr, **Kancherla V**. Contribution of birth defects to infant mortality in the United States, 2012-2014. (May 2017, MPH)
29. 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)
30. Horslov T, Binongo J, **Kancherla V**. Maternal exposure to chlamydia during pregnancy and risk of gastroschisis in the offspring. (Dec 2016, EMPH)
31. 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)
32. 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)
33. 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)
34. 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)
35. Amisah E, Ko Y, R Li, **Kancherla V**. A validation study of maternal recall on breast-feeding duration six years after childbirth. (May 2016, EMPH)
36. 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)
37. 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)
38. 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)
39. 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. 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 Thesis)

2. 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 Thesis)
3. Smith A, Blount J, Mennemeyer, Wingate M, **Kancherla V**, Becker D. Call to action: Food fortification efforts with folic acid as method of prevention of spina bifida and anencephaly: global initiative. (PhD thesis, University of Alabama at Birmingham)

INVITED SPEAKER

- 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 / REPORTS

- 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/>
- **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>
- **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>
- 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*. Mar 2018. <https://www.healthynewbornnetwork.org/blog/bringing-birth-defects-forefront-maternal-newborn-child-health-issues-era-sdgs/>
- **Kancherla V** & Zimmerman S. Fortifying flour with folic acid could immediately prevent 57,000 annual birth defects, study suggests. 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 AND SERVICE ACTIVITIES

- Faculty Facilitator, Inter-professional Team Training, Emory University, (2020 – Current)
- Session Chair & Discussant, 2021-22 WHEA Teaching Fellowship Intersession – Feedback on Learning and Contemporary Feedback Models, Emory University, October 21, 2021
- Member, Global Alliance for Prevention of Spina Bifida F – World Health Assembly Resolution for Folic Acid Fortification Taskforce (May 2021 – Current)
- ReachAnother Foundation, Bend, OR (2018 – Current)
- Spina Bifida Association of Georgia, Atlanta, Georgia (Board Member) (2014 – 2019)
- March of Dimes. PeriStats (Volunteer): Literature review on electively induced delivery and pregnancy outcomes (Aug 2010)
- Leadership Seminar: Center for Leadership in Disability. Georgia State University (Fall 2010)
- CDC Field Study in 2008 Flood Affected Regions of Iowa (Volunteer): 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)
- 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 Pediatric Association (IPA)
- American Academy of Pediatrics (AAP)
- International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR)