

**VIJAYA KANCHERLA, PhD**

Department of Epidemiology

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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**

**Research Assitant Professor, Aug 2017 - Continued.**

**Instructor, Aug 2012-Jul 2017**

Department of Epidemiology, Rollins School of Public Health

Center for Spina Bifida Prevention, 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)

*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.

**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

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

National Center on Birth Defects and Developmental Disabilities (NCBDDD)

Centers for Disease Control and Prevention (CDC), 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, 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:* Aion 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**

1. Mowla S, Gissler M, Räisänen S, **Kancherla V.** (2019). Association between maternal pregestational diabetes mellitus and spina bifida: A population-based case-control study, Finland, 2000-2014. *Birth Defects Res.* doi: 10.1002/bdr2.1624. [Epub ahead of print]
2. 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, Wertenlecker W, Zarante I, Mastroiacovo P. Analysis of mortality among neonates and children with spina bifida from registries in multiple countries, 2001-2012. *Paediat Perinatal Epidemiol* (\*Both authors contributed equally) doi: 10.1111/ppe.12589. [Epub ahead of print]
3. 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. Trisomy 13 and 18 – Prevalence and Mortality – a Multi-Registry Population Based Analysis. (2019). *Amer J Med Genet Part A.* doi: 10.1002/ajmg.a.61365. [Epub ahead of print]

4. Dixon M, **Kancherla V**, Mulugeta B, 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
5. 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
6. **Kancherla V**, Ma C, Grant G, Lee HC, Shaw GM, Hintz S, Carmichael SL. (2019). Factors associated with timeliness of surgical repair among infants with Myelomeningocele: California Perinatal Quality Care Collaborative, 2006-2011. *Am J Perinatol* (doi: 10.1055/s-0039-1693127. [Epub ahead of print])
7. **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
8. **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
9. 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* doi: 10.3233/PRM-190567. [Epub ahead of print]
10. **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
11. 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
12. 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
13. 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.
14. 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
15. 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
16. **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
17. **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* (doi: 10.1002/bdr2.1362. [Epub ahead of print])
18. **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

19. **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
20. 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.
21. Echaiz J, Blas M, **Kancherla V**. (2018). Unintended pregnancy and its impact on childhood rotavirus immunisation in Peru. *Revista Panamericana de Salud Publica*, 42:e96
22. 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
23. **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
24. **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
25. 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
26. Amisshah 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
27. **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
28. **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
29. 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
30. **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
31. 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
32. 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
33. Obeid R, Pietrzik K, Oakley GP Jr., **Kancherla V**, Holzgreve W, Wieser S (2015). Preventable neural tube defects in Europe. *Birth Defects Res A Clin Mol Teratol*. 103(9):763-771
34. 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
35. **Kancherla V**, Räisänen S, Gissler M, Kramer MR, Heinonen S (2015). Placenta previa and risk of major congenital malformations among singleton births in Finland. *Birth Defects Res A Clin Mol Teratol*;103(6):527-535

36. Räisänen S, **Kancherla V**, Kramer MR, Gissler M, Heinonen S (2014). Placenta previa and the risk of delivering a small-for-gestational-age newborn. *Obs Gynaecol*;124(2 Pt 1):285-291
37. **Kancherla V**, Druschel CM, Oakley GP Jr. (2014). A population-based study to investigate mortality in spina bifida – New York State Congenital Malformations Program. *Birth Defects Res A Clin Mol Teratol*. 100(8):563-575
38. Räisänen S, **Kancherla V**, Gissler M, Kramer MR, Heinonen S (2014). Adverse perinatal outcomes associated with moderate or severe maternal anemia based on parity in Finland during 2006-10. *Paediatr Perinat Epidemiol*. 28(5):372-380
39. **Kancherla V**, Romitti PA, Sun L, Carey JC, Burns TL, Siega Riz AM, Druschel CM, Lin A, Olney RS, and the National Birth Defects Prevention Study (2014). Descriptive and risk factor analysis for choanal atresia: The National Birth Defects Prevention Study (NBDPS), 1997 – 2007. *Eur J Med Genet*;57(5):220-229
40. **Kancherla V**, Oakley GP Jr., Brent RL (2013). Urgent global opportunities to prevent birth defects. *Semin Fetal Neonatal Med*. 2014 Jun;19(3):153-160
41. Youngblood M, Williamson R, Bell KN, Johnson Q, **Kancherla V**, Oakley GP Jr. (2013). A 2012 update on global prevention of folic acid-preventable spina bifida and anencephaly. *Birth Defects Res A Clin Mol Teratol*;97(10):658-63
42. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M (2013). Childhood vision impairment, hearing loss and co-occurring autism spectrum disorder. *Disabil Health J*;6(4):333-342
43. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M (2013). Dental care among young adults with intellectual disability. *Res Dev Disabil*;34(5):1630-1641
44. Pachón H, **Kancherla V**, Handforth B, Tyler V, Bauwens L (2013). Folic-acid fortification of wheat flour: A cost-effective public-health intervention to prevent birth defects in Europe. *Nutrition Bulletin*;38:201-209
45. Beydoun H, **Kancherla V**, Stadmauer L, Beydoun M (2013). Patterns of use of insulin-sensitizing agents among diabetic, borderline diabetic and non-diabetic women in the National Health and Nutritional Examination Surveys. *Gynecol Endocrinol*;29(4):350-356
46. **Kancherla V**, Amendah DD, Grosse SD, Yeargin-Allsopp M, Van Naarden Braun K (2012). Medical expenditures attributable to cerebral palsy and intellectual disability among Medicaid enrolled children. *Res Dev Disabil*. 2012 Jan 11;33(3):832-840
47. **Kancherla V**, Romitti PA, Caspers KM, Puzhankara S, and Morcuende JA (2010). Epidemiology of congenital idiopathic talipes equinovarus in Iowa, 1997-2005. *Amer J Med Genet A*. Jul; 152A(7):1695-1700
48. Dennis LK, **Kancherla V**, Snetselaar LG (2009). Adolescent attitudes towards tanning: does age matter? *Pediatric Health*; 3(6):565-578
49. **Kancherla V**, Romitti PA, Damiano PC, Druschel CM, Robbins JM (2009). Maternal reports of satisfaction with care and outcomes for children with microtia. *Plast and Reconst Surg*. 123(4):149e-150e
50. Wong-Gibbons D, **Kancherla V**, Romitti PA, Tyler MC, Damiano PC, Druschel CM, Robbins JM, Kizelnik-Freilich S, Burnett W (2009). Maternal reports of satisfaction with care and outcomes for children with Craniosynostosis. *J Craniofacial Surg* Jan; 20(1):138-142
51. Brown SL, Teufel JA, Birch DA, Raj S, Izenberg N, Lyness D, **Kancherla V** (2007). Reported alcohol use and perception of use among early adolescents. *Am J Health Studies*. 22(1):33-41



52. Hanna B, Romitti P, Patil S, **Kancherla V**, Yankowitz J (2006). Ultrasound findings in 34 cases of trisomy 13. *Am J of Obs and Gynecol.* 195(6):S169
53. Brown SL, Birch DA, Teufel J, **Kancherla V** (2006). Overweight in children: The perspective of 9-13 year olds. *Am J of Health Educ.* 37:296-305
54. Brown SL, Birch DA, Teufel J, **Kancherla V** (2006). Gender, age, and behavior differences in early adolescent worry. *J Sch Health.* 76(8):430-437
55. Brown SL, Birch DA, Teufel J, **Kancherla V** (2005). Bullying perspectives: experiences, attitudes, and recommendations of 9- to 13-year-olds attending health education centers in the United States. *J Sch Health.* 75(10):384-392

### Manuscripts under Review

1. 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. Interpretation of vitamin B-12 and folate status in women and children in population-based surveys does not require adjustment for inflammation: data from BRINDA. *Am J Clin Nutr* (Jan 2019)
2. 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. Prevalence and Mortality among Children with Congenital Diaphragmatic Hernia, 1974-2015: A Multi-Registry Analysis. *Pediatrics* (Jun 2019)
3. Brasfield J, Goulding S, **Kancherla V**. Breastfeeding and Attention Deficit/Hyperactivity Disorder in United States Preschool Children. *Pediatrics* (Aug 2019)
4. Global Research on Developmental Disabilities Collaborators. Global and regional burden of childhood epilepsy, intellectual and sensory disabilities. *Pediatrics* (Aug 2019)
5. 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. Association between maternal periconceptional alcohol consumption and neural tube defects: Findings from the National Birth Defects Prevention Study, 1997-2011. *Birth Defects Res* (Sep 2019)

### Research in Progress

1. Wegner C, **Kancherla V**, Lux A, Köhn A, Bretschneider D, Freese K, Heiduk M, Redlich A, Schleef D, Jorch G, Rissmann A. Periconceptional folic acid use in German women over the last 19 years: results from cross-sectional survey.
2. **Kancherla V**, Gissler M, Raisanen S. Association between pregestational hypertension and spina bifida in Finland.
3. **Kancherla V**, Groisman B. Pre- and post-fortification prevalence trends of neural tube defects in Latin America.
4. **Kancherla V**, Elani H. Dental care utilization among individuals with spina bifida.
5. **Kancherla V**, Groisman B, Roos N, Moran A. Mapping of global birth defects surveillance systems: World Health Organization Project.
6. **Kancherla V**, Roos N, Walani S. Mapping birth defects prevention to the 2030 Sustainable Development Goals.
7. **Kancherla V**, Oakley GP Jr. Accelerating global prevention of spina bifida and anencephaly.

8. **Kancherla V**, Viswanathan P, Koning M, Koning J, Biluts H. Healthcare utilization of children with spina bifida and hydrocephalus in Ethiopia.
9. **Kancherla V**, Arnold L, Danielson M, Kucik J, Thorpe P, Ouyang L, Thibadeau J, Oakley GP Jr. A population-based study to investigate the cause of death in individuals with spina bifida - The Metropolitan Atlanta Congenital Disorders Program, 1979-2008.
10. Kapoor R, Kim J, **Kancherla V**, Oakley GP Jr. Race and ethnic disparities in infant mortality among children with spina bifida in the United States, 2010-2017.
11. Manandhar M, Baydoun H, **Kancherla V**. Obesity and blood folate levels among women of reproductive age for prevention of neural tube defects: National Health and Nutrition Examination Survey 2008-2011.
12. **Kancherla V**, Chen Ma, Grant G, Lee HC, Shaw GM, Hintz S, Carmichael S. Factors associated with first-year and early neonatal mortality in infants with myelomeningocele in California.
13. **Kancherla V**, Chen Ma, Grant G, Lee HC, Shaw GM, Hintz S, Carmichael S. Disparities in distance to travel to hospital for infants with myelomeningocele in California.
14. **Kancherla V**, Chen Ma, Grant G, Lee HC, Hintz S, Carmichael S. Disparities in care among infants with congenital hydrocephalus in California.
15. Kumar A, Kramer M, **Kancherla V**. Screen time in children with Attention Deficit Hyperactivity Disorder: Findings from the National Survey of Children Health 2016-2017.
16. **Kancherla V**, Tsang B, Dixon M, Wagh K, Oakley GP. Potential for primary prevention of folic acid-preventable spina bifida and anencephaly through folic acid-fortification of salt globally.
17. Xu S, **Kancherla V**, Suhl J, Caspers K, Romitti PA. Descriptive epidemiology of congenital hydrocephalus in Iowa, 2001-2016.
18. Konrad T, Pachon H, **Kancherla V**. Factors related to anemia in women of reproductive age and Food Fortification: Findings from Multi-Country Demographic and Health Surveys.
19. Kay A, Konrad T, Pachon H, **Kancherla V**. Childhood anemia and Food Fortification.
20. Serra MC, Khakharia A, **Kancherla V**, Allen LL, Phillips LS, Vaughan CP. Relationship of Vitamin B12 Testing and Treatment to Peripheral Neuropathy and Lower Extremity Amputations Following Long-Term Metformin Treatment.
21. Asrani RP, Magana T, Oakley GP, **Kancherla V**. Costs of care for neural tube defects, and cost-effectiveness of folic acid fortification in Ethiopia.
22. Asrani RP, Karmarkar S, Oakley GP, **Kancherla V**. Cost-benefit analysis for folic acid fortification and neural tube defects in India.
23. Pachon H, **Kancherla V**, Oakley GP Jr., Martinez H. Consensus statement on the effectiveness of large-scale food fortification on preventing neural tube defects.
24. **Kancherla V**, Chaddha M, Rowe L, Martinez H, Montgomery S, Oakley GP. Countries with immediate potential for wheat flour and rice fortification for prevention of anemia and birth defects.
25. **Kancherla V**, Khanna A, Pachon H, Oakley GP Jr. 2019 global status of prevention of folic-acid preventable spina bifida and anencephaly
26. Finn J, **Kancherla V**, Suul J, Conrad K, Romitti PA. Descriptive epidemiology of congenital diaphragmatic hernia.
27. **Kancherla V**, **Ranganathan D**, Oakley GP Jr. Blood folate concentrations among Hispanic and African American women of reproductive age at Grady Hospital.

## CONFERENCE PRESENTATIONS

### Posters Presentations

1. **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*
2. 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*
3. **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*
4. **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*
5. 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*
6. **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*
7. **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*
8. 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*
9. 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*
10. **Kancherla V**. Identifying countries with immediate mandatory fortification potential to prevent spina bifida and anencephaly. *Teratology Society Annual Meeting, Clearwater Beach, Jun 2018*
11. **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*
12. **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*
13. **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*

14. **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*
15. **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*
16. **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*
17. 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*
18. 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*
19. 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*
20. **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*
21. 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*
22. **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*
23. 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*
24. Obeid R, Pietrzik K, Oakley GP Jr., **Kancherla V**, Holzgreve W, Wieser S. Preventable neural tube defects in Europe. *Teratology Society, Montreal, Jun 2015*
25. 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*
26. **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*
27. 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*
28. 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*

29. **Kancherla V**, Van Naarden Braun K, Yeargin-Allsopp M. Vision impairment, hearing loss and autism spectrum disorders. *Society for Epidemiologic Research, Boston, Jun 2013*
30. **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*
31. 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*
32. **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*
33. **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*
34. **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*
35. **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*
36. 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*
37. **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)*
38. **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*
39. 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*
40. 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**. Roos N, Walani S. Linking birth defects to Sustainable Development Goals (2030). *International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Nov 2019*
2. **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*
3. **Kancherla V**. Mapping birth defects surveillance programs globally - WHO. *International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Nov 2019*

4. **Kancherla V.** Global Prevention of Neural Tube Defects With Folic Acid-Fortified Wheat and Salt. *International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Nov 2019*
5. **Kancherla V.** Global Prevention of Neural Tube Defects With Folic Acid-Fortified Wheat and Salt. *International Conference on Birth Defects and Disabilities in Developing Countries, Colombo, Sri Lanka, Nov 2019*
6. **Kancherla V.** Making the case for birth defects surveillance. *Webinar. WHO. Mar 2019*
7. **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*
8. **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*
9. **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.*
10. 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*
11. 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*
12. **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*
13. **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*
14. 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*
15. **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*
16. 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*
17. **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*
18. 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*

19. **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*
20. **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*
21. **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*
22. Pachón H, **Kancherla V**, Oakley GP Jr. Mapping fortification in Latin America and Europe. *Congreso Latinoamericano de Nutrición (SLAN). Dominican Republic, Oct 2015*
23. **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*
24. **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*
25. **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. Co-Principal Investigator. 2014-2016, US\$ 100,000, Rich Foundation, Atlanta – Project: Epidemiology of spina bifida and anencephaly in Metro-politan Atlanta
2. Co-Principal Investigator. Jan 2016 – Apr 2016. 50% effort. Centers for Disease Control and Prevention. Project: Mandatory Folic Acid Fortification Readiness Review
3. Sub-contract. Oct 2017-May 2019. NIH-NICHD R01 Grant - MD007796. Disparities in Care, Morbidity & Survival Among Infants with Birth Defects. PI: Stanford University
4. Sub-contract. Sep 2018-Sep 2023. CDC U01DD001223. Iowa CDRP: Component A BD-STEPS II Core. PI: University of Iowa – Iowa Registry for Congenital and Inherited Disorders

#### **OTHER PROFESSIONAL ACTIVITIES**

1. *Collaborator and Reviewer for CDRP*. Iowa Registry for Congenital and Inherited Disorders. (Aug 2017 – Ongoing)
2. *Consultant*. Department of Maternal, Newborn, Child and Adolescent Health, World Health Organization (WHO). (2017-Ongoing)
3. *Technical Expert*. Global WHO Birth Defects Technical Working Group. World Health Organization. (Feb 2019-Ongoing)
4. *Committee Member*. Scientific Committee, World Birth Defects Day, International Clearinghouse for Birth Defects Surveillance and Research (Sep 2018)
5. *Member*. Global Research on Developmental Disabilities Collaborators. Global Burden of Disease Study, Institute for Health Metrics and Evaluation (IHME), Seattle, WA (July 2018-Ongoing)
6. *Consultant*. Mapping Birth Defect Surveillance and Tools – Birth Defects Outside the Americas. World Health Organization (June 2018-Mar 2019)
7. *Committee Member*. Consensus Statement of Birth Defects in Latin America. 2017 International Conference on Birth Defects and Disabilities in Developing Countries. March of Dimes.

8. *Member*. Global Burden of Disease Collaborator Network. Institute for Health Metrics and Evaluation. University of Washington (2018-Ongoing)
9. *Co-Chair*. Public Affairs Committee, *Society for Birth Defects Research & Prevention* (Previously: Teratology Society) (2019-2021)
10. *Committee Member*. Public Affairs Committee, Teratology Society (2018-2019)
11. *Member*. Scientific Committee, 8th International Conference on Birth Defects and Disabilities in Developing Countries, Colombia (2017, 2019)
12. *Member*. SER Publication Committee. Twitter Initiative Group (2016-2018)
13. *Team Lead*. PUSH! Score Card Project. *PUSH! Global Alliance for Spina Bifida and Hydrocephalus*.
14. *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)
15. *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)
16. *Affiliate Member*. International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR), Italy (2014-ongoing)
17. *Member*. PUSH! Global Alliance for Spina Bifida and Hydrocephaly (2015-ongoing)
18. *Member*. Selection Committee, Emory Global Field Experience Program (2016-ongoing)
19. *Member*. Master of Public Health (MPH) Admissions Committee, Department of Epidemiology, Emory University Rollins School of Public Health (2014-ongoing)
20. *Co-Principal Investigator*. Spina Bifida Mortality Project, International Clearinghouse on Birth Defects Surveillance and Research (ICBDSR) (2015-ongoing)
21. *Board Member*. Spina Bifida Association of Georgia, Atlanta, Georgia (2014-2018)
22. *Affiliate Member*. Section on Epidemiology (SOEp), American Academy of Pediatrics (2014-ongoing)
23. *Member*. Sub-committee on Hyperbilirubinemia Clinical Practice Guideline Subcommittee, American Academy of Pediatrics, Chicago, IL (2014-ongoing)
24. *Participant Working Group*. 7th international conference on birth defects and disabilities in the developing world. (2016)
25. *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. *2017 Alessandra Lisi Award*. International Clearinghouse for Birth Defects Surveillance and Research (Aug 2017)
2. *2017 Faculty Teaching Award*. Executive MPH Program. Emory University Rollins School of Public Health (Jun 2017)
3. *2017 James G. Wilson Publication Award – Teratology Society* (Jun 2017)
4. *Pierre Decouflé Fellowship*. Association of University Centers on Disabilities, Silver Spings, MD (Jan 2010)
5. *NICHD-IHDCYH 5<sup>th</sup> Annual Summer Institute Award*. Reproductive and Perinatal Epidemiology (Jul 2009)
6. *Student Travel Award*. Poster on Meta-Analysis of Per-, Peri-, and Neonatal Risk Factors for Autism. SER annual conference, Seattle (Jun 2006)



7. *Academic Distinction in Social and Preventive Medicine*. NTR University of Health Sciences, India (Dec 1997)

### **OTHER PROFESSIONAL TRAINING**

1. *Fellow*, Woodruff Health Educators Academy Teaching Fellowship, Emory University (Mar 2020-Feb 2021)
2. *Trainee*, Programming in R. Stats Camp (Feb 2019)
3. *Faculty Facilitator*, Inter-Professional Team Training Day (ITTD), Emory University Rollins School of Public Health (Sep 2018)
4. *Summer Short Course on Causal Inference*. Harvard TH Chan School of Public Health (Jun 2018).
5. *Faculty Mentorship Training Series – Atlanta Society of Mentors*. Emory University (Oct 2017)
6. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2015*: Emory University Oxford College, Oxford, GA (May 2015)
7. *2014 Training Program on Surveillance and Prevention of Birth Defects and Preterm Births*: ICBDSP, WHO-Geneva, Switzerland (Jul 2014)
8. *The Institute of Pedagogy in the Liberal Arts (IPLA) 2013*: Emory University Oxford College, Oxford, GA (May 2013)
9. *Human Teratogens – Environmental Factors that Cause Birth Defects*: Harvard Medical School – Department of Continuing Education, Boston, MA (Apr 2013)
10. *Research Methods in Life Course Epidemiology*: EPIC Summer Institute, Columbia University – Mailman School of Public Health, New York, NY (Jun 2012)
11. *ResDAC Medicaid Data Training*: University of Minnesota, Minneapolis, MN (Sep 2011)
12. *Marketscan® Database Training*: Thompson Reuters, Atlanta, GA (Jul 2011)
13. *Successful Scientific Writing*: Centers for Disease Control and Prevention, Atlanta, GA (Feb 2011)

### **BOOK CHAPTERS**

Binongo JN, **Kancherla V**, Kramer MR. Neonatal-Perinatal Medicine, McGraw Hill Publications (2014).  
*Chapter: Core Knowledge in Scholarly Activities (Epidemiology and Biostatistics)*.

**Kancherla V**. *The Neuroscience Of Development* (2019) (Under Review).

*Chapter: Folic acid to prevent spina bifida and anencephaly.*

### **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. 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 (In Progress)

2. 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 (In Progress)
3. Finn J, Suhl J, Conway K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital diaphragmatic hernia in Iowa: a population-based analysis (In Progress)
4. 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)
5. Kay A, Pachón H, Christiansen-Lindquist L, **Kancherla V**. Childhood anemia and Food Fortification (Jul 2019, MPH)
6. Mowla S, Räisänen S, Gissler M, Heinonen S, **Kancherla V**. Maternal pregestational diabetes and neural tube defects in Finland (Apr 2019, MPH)
7. Konrad T, Pachón H, **Kancherla V**. Anemia and Food Fortification in Demographic and Health Surveys (Apr 2019, MPH)
8. Louden A, Romitti PA, **Kancherla V**. Maternal periconceptional alcohol exposure and neural tube defects: Findings from the National Birth Defects Prevention Study. (Apr 2019, MPH)
9. Redpath B, Oakley GP Jr, **Kancherla V**. The association between folate concentrations and stroke. (Apr 2019, MPH)
10. Xu S, Suhl J, Caspers K, Romitti PA, **Kancherla V**. Descriptive epidemiology of congenital hydrocephalus – a population-based analysis (Apr 2019, MPH)
11. Manadhar M, Baydoun H, **Kancherla V**. Obesity and folate concentrations among women of reproductive age in the US, NHANES 2011-2012 (Apr 2019, EMPH)
12. Brasfield J, Goulding S, **Kancherla V**. Breastfeeding duration and attention deficit hyperactivity disorder: Findings from the 2016 National Survey of Childrens Health (Apr 2019, EMPH)
13. 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)
14. Gutierrez H, **Kancherla V**. The impact of geographic moves on child flourishing: National Survey of Childrens' Health 2011-2012. (Dec 2018, EMPH)
15. Kumar A, Kramer M, **Kancherla V**. Screentime and ADHD in school-aged children in the US: The National Survey of Childrens' Health. (Aug 2018, EMPH)
16. 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)
17. Renuka R, Romitti PA, **Kancherla V**. Epidemiology of congenital pyloric stenosis in the United States, National Birth Defects Prevention Network. (May 2017, MPH)
18. 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 US. (May 2017, MPH)
19. Joseph A, Oakley GP Jr, **Kancherla V**. Contribution of birth defects to infant mortality in the United States, 2012-2014. (May 2017, MPH)
20. 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)
21. Horslov T, Binongo J, **Kancherla V**. Maternal exposure to chlamydia during pregnancy and risk of gastroschisis in the offspring. (Dec 2016, EMPH)
22. 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)

23. Mukhtar M, Kramer M, Oakley GP Jr, **Kancherla V**. Race and Ethnicity and Preconception Folic Acid Supplement Use in Georgia: Pregnancy Risk Assessment Monitoring Survey, 2009-2011. (May 2016, MPH)
24. Nyugen B, Baydoun H, Wiess P, **Kancherla V**. Race and Ethnicity Differences in the Association between Serum Folate Levels and Depression in Reproductive Aged U.S. Women, NHANES (2011-2012). (May 2016, MPH)
25. 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)
26. Amissah E, Ko Y, R Li, **Kancherla V**. A Validation Study of Maternal Recall on Breastfeeding Duration Six Years after Childbirth. (May 2016, EMPH)
27. 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)
28. 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)
29. 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)
30. Diaz D, Baydoun H, **Kancherla V**. Serum Acrylamide Level and Self-Reported Health Status in U.S. Women of Reproductive Age, NHANES 2003-2004 (May 2015, CMPH)

#### **INTERNATIONAL CONFERENCES**

1. Attendee, Conference, Epidemic of Spina Bifida in Ethiopia: Preventive and Neurosurgical Interventions. Federal Ministry of Health, Addis Ababa, Ethiopia (Apr 2019)
2. Attendee, Annual Conference, International Clearinghouse for Birth Defects Surveillance and Research, Prague, Czech Republic (Sep 2018)
3. Presenter, 8th Annual Conference on International Conference on Birth Defects, Bogota, Colombia (Nov 2017)
4. Presenter, Micronutrient Forum, Cancun, Mexico (Oct 2016)
5. Presenter, Annual Conference, International Clearinghouse for Birth Defects Surveillance and Research, Magdeburg, Germany (Sep 2016)
6. Presenter, 7<sup>th</sup> Annual Conference on International Conference on Birth Defects, Dar es Salaam, Tanzania (Aug 2015)
7. Attendee, Pediatric Academic Societies – Asian Society for Pediatric Research, Vancouver, Canada (May, 2014)
8. Attendee, International Pediatric Association (IPA) Congress Meeting – 2013, Melbourne, Australia (Aug 2013)
9. Invited Speaker, Pune Public Health Conference on Birth Defects in India, Pune, Maharashtra, India (Feb 2013)

#### **OP-EDs / REPORTS**

- **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/](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**

- 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)