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[Genny Carrillo \(researchgate.net\)](http://researchgate.net)

EDUCATION

Doctor of Science in Public Health
1993

Tulane University. School of Public Health and Tropical Medicine, New Orleans, LA
Department of Environmental Health
Dissertation Topic: "Use of a Decision Analysis Technique for Determining Criteria for Lead Reduction in a Multimedia Environment"

Master of Sciences in Public Health, 1989

Tulane University. School of Public Health and Tropical Medicine, New Orleans, LA
Department of Environmental Health
Dissertation Topic: "Review on the Toxicity of Trinitrotoluene (TNT) and its Byproducts in Compost and Contaminated Soils"

Master of Public Health, 1989

Tulane University. School of Public Health and Tropical Medicine, New Orleans, LA
Department of Environmental Health

Doctor in Medicine, 1983

University of Yucatán. School of Medicine. Mérida, Yucatán, México

ACADEMIC APPOINTMENTS

- 2013-Present **Associate Professor** (tenured), Texas A&M University, School of Public Health, Department of Environmental and Occupational Health, College Station, TX.
- 2007-2013 **Assistant Professor** (tenure-track), Texas A&M University, School of Public Health, Department of Environmental and Occupational Health, College Station, TX.
- 2005-2007 **Assistant Professor** (tenure-track), Medical College of Georgia, Department of Health Informatics, School of Allied Health Sciences, Augusta, Georgia.
- 2004-2005 **Assistant Professor** (non-tenure-track), Texas A&M University, School of Public Health, Department of Environmental and Occupational Health, College Station, TX.
- 2002-2004 **Senior Research Associate**, Department of Environmental and Occupational Health, School of Rural Public Health, Texas A&M University, College Station, TX.
- 2001-2002 **Research Associate Scientist**, Department of Veterinary Physiology and Pharmacology, Center of Environmental and Rural Health, Texas A&M University, College Station, TX.
- 1999-2001 **Public Health Assessor**, Louisiana Department of Health & Hospitals, Section of Environmental Epidemiology & Toxicology. New Orleans, LA.
- 1997-1998 **Consultant**, Honduras Ministry of Health.
- 1995-1997 **Visiting Research Professor**, Department of Genetics, Regional Research Center “Dr. Hideyo Noguchi,” University of Yucatán.
- 1994-1995 **Postdoctoral Fellow**, Department of Environmental Health Sciences, Environmental Health Training Program, Tulane University, School of Public Health and Tropical Medicine.
- 1992-1993 **Official Liaison**, Tulane University, School of Public Health and Tropical Medicine and the National Institute of Public Health, School of Public Health of Mexico.
- 1990-1991 **Academic Coordinator**, Master of Sciences in Environmental Health Program, National Institute of Public Health, School of Public Health of Mexico.

FELLOWSHIPS & HONORARY SOCIETIES

- 2013- 2014 **Fellow**. Association of State and Territorial Health Officials, Environmental Public Health Tracking Peer-to-Peer.
- 2009-2010 **Fellow**. Alumnus, CDC Environmental Public Health Leadership Institute.
- 2008-2009 **Fellow**. National Environmental Health Association Fellowship.

- 2005 **Fellow.** Alumnus, National Library of Medicine, Fellowship program in Biomedical I Informatics, Marine Biological Laboratory, Woods Hole, Massachusetts
- 1995-2016 **Member.** Delta Omega Honorary Society in Public Health – ETA Chapter, Tulane University, New Orleans, LA.

HONORS & AWARDS

- 2019 **Recipient. National System of Researchers- National Researcher Level II.** National Council of Science and Technology (CONACYT), Mexico.
- 2016 **Recipient. Children’s Environmental Health Excellence Award** from the Office of Children’s Health Protection at the United States Environmental Protection Agency.
- 2011 **Recipient. US-Mexico Border 2012 Environmental Leadership Award** from the United States Environmental Protection Agency Office.
- 1991 **Recipient (1991-1993) Scholarship** from the National Council of Science and Technology (CONACYT), Mexico.
- 1987 **Recipient (1987-1989) Scholarship** from the National Council of Science and Technology (CONACYT), Mexico.

FUNDED RESEARCH

Community Pediatric Diabetes and Obesity Education and Intervention Pilot Project
Knapp Community Care Foundation_
Role: PI
2019-2021
\$370, 666

The Role of Maternal Diabetes & Obesity in Reproductive Health Outcomes
Knapp Community Care Foundation
Role: PI
2018-2021
\$349,640

Pediatric Diabetes Capacity Building for Community Health Workers in Hidalgo County.
Tijerina Foundation
Role: PI

2019-2020
\$20,000

Association between children's asthma and indoor air pollution from homes in low-income communities in South Texas: A pilot study
NIEHS P30 ES029067. Texas A&M Center for Environmental Research. Integrative Health Sciences Facility Core (IHSF). Subcontract: Role: PI,
2019-2020
\$10,000

Hospital asthma discharges and its relationship with hazardous air pollutants
Global Institute for Hispanic Health (Driscoll Children's Hospital and Texas A&M University).
Role: PI
2018-2020
\$25,000

Healthy South Texas, Asthma Program (third biennium)
State of Texas
Role: PI
2019-2020
\$300,000

Diabetes Screening for Adult Women
Discover Foundation
Role: PI
2019-2021
\$30,000

Healthy South Texas, Asthma Program (second biennium)
State of Texas
Role: PI
\$200,000

Health Outcomes of Water Insecurity in Urban Mexico: A Pilot Project
Conacyt-TAMU
Role: PI
2018-2019
\$24,000

Working on capacity building to improve Children's Environmental Health
Environmental Protection Agency
Role: PI
2018-2019
\$49,000

Healthy South Texas, Asthma Program (first biennium)

State of Texas

Role: PI

2016-2017

\$203,000

Community-Based Pediatric Asthma Education and Intervention Program Administration for Community Living

Knapp Community Care Foundation

Role: PI

2015-2017

\$374,042

Healthy South Texas, Asthma Program

State of Texas

Role: PI

April-August 2016

\$100,000

Pilot project to characterize pollutant exposure by monitoring amounts and types of traffic in the area.

Texas A&M Health Science Center, Texas A&M Transportation Institute, and Johns Hopkins University

Role: Co-I

2014-2015

\$120,000

Planning Model for a Texas/Mexico Border Information Exchange Program

Border Environmental Cooperation Commission/Environmental Protection Agency

Role: PI

2014-2015

\$29,875

Asthma Education to Improve the Quality of Life of Children with Asthma

Department of Health and Human Services, Texas Asthma Control Program

Role: PI

2013-2014

\$30,000

Integrated Environmental Indoor Management using Healthy Homes and Asthma Education

Environmental Protection Agency

Role: PI

2012-2014

\$50,000 *Multidisciplinary Approach to Educate and Train Engineering and Science Students on Air Pollution Issues of the US-Mexico Border*

Environmental Protection Agency

Role: Co-I

2008-2013
\$625,000

Integrated Educational Interventions for Asthma Management in South Texas (Year 3)
Department of Health and Human Services, Texas Asthma Control Program_

Role: PI
2012-2013
\$31,182

Development of an Environmental/Epidemiological Database in Texas-Mexico Border
Border Environment Cooperation Commission (BECC)/ Environmental Protection Agency

Role: PI
2012-2013
\$50,000

Environmental Asthma Education in Hidalgo County
Department of Health and Human Services, Texas Asthma Control Program_

Role: PI
2011-2012
\$35,000

Integrated Educational Interventions for Asthma Management in South Texas (Year 2)
Department of Health and Human Services, Texas Asthma Control Program_

Role: PI
2010-2011
\$50,000

Environmental Education in Asthma and Pesticides in the US-Mexico Border
Environmental Protection Agency/Border Environment Cooperation Commission (EPA/BECC)

Role: PI
2009-2011
\$50,000

Integrated Educational Interventions for Asthma Management in South Texas (Year 1)
Department of Health and Human Services, Texas Asthma Control Program_

Role: PI
Feb 2010- August 2010
\$50,000

Home safety assessment in the Lower Rio Grande Valley: a pilot study
Texas A&M Health Sciences Center

Role: PI
Feb 2010- August 2010
\$2,613

Develop an undergraduate Public Health course

ATPM/CDC Cooperative Agreement Innovations in Public Health Education Program

Role: PI

2006- 2007

\$6,000

Safe Drinking Water Demonstration Project for Hidalgo County, Texas

DHHS/PHS/HRSA- 232-02-0001. Center for Environmental and Rural Health- Community Outreach Environmental Program (CERH-COEP)

Role: PI

2002- 2005

\$224,999

PEER-REVIEWED JOURNAL PUBLICATIONS

*Student. **Doctoral student ^Carrillo G First/Senior Author/Corresponding Author

Research in the US-Mexico Border

My research on the US-Mexico Border began in 2007 when I moved to McAllen. My work has been instrumental in improving children's asthma in the region. Working with the US-Mexico Commission, the binational collaboration in resources and research has improved some chronic conditions. As part of my scholarly work, incursion in recent studies related to Gestational Diabetes and Pediatric Diabetes is underway. I have worked closely with other collaborators on water insecurity and other topics.

Submitted to:

56. Naufal G, Naiser E, Patterson B, Baek J, Carrillo G. An asthma program in South Texas with its cost-savings Submitted to Journal of Asthma and Allergy.

Published:

55. Roh T, Moreno-Rangel A, Baek J, Obeng A, Hasan NT, **Carrillo G**. Indoor Air Quality and Health Outcomes in Employees Working from Home during the COVID-19 Pandemic: A Pilot Study.

Atmosphere **2021**, 12(12), 1665. <https://doi.org/10.3390/atmos12121665>

54. **Carrillo G.**, Roh T, Baek T, Chong-Menard B., Ory M. Evaluation of Healthy South Texas Asthma Program on improving health outcomes and reducing health disparities among the underserved Hispanic population: using the RE-AIM model. *BMC Pediatr.* 2021 Nov 16;21(1):510. doi: 10.1186/s12887-021-02991-8. PMID: 34784927; PMCID: PMC8593094.

53. Mendez- Dominguez N., Santos-Zaldivar K., Gomez Carro S., Datta-Banik S., **Carrillo G**. Maternal Mortality during the COVID-19 pandemic in Mexico: a preliminary analysis at six months. *BMC Public Health.* 2021, 1297 (2021). <https://doi.org/10.1186/s12889-021-11325-3>

52. Mendoza-Sanchez, I., Uwak, I., Myatt, L., Van Cleve, A., Pulczynski, J. C., Rychlik, K. A., Sweet, S., Ramani, T., Zietsman, J., Zamora, M. L., Koehler, K., **Carrillo, G.**, & Johnson, N. M. (2021, 2021/06/15). Maternal exposure to polycyclic aromatic hydrocarbons in South Texas, evaluation of silicone wristbands as personal passive samplers. *Journal of Exposure Science & Environmental Epidemiology*. <https://doi.org/10.1038/s41370-021-00348-y>
51. Stoler J., Miller, J.D., Brewis, A., Freeman, M., Harris, L.M., Jepson, W., Pearson, A.L., Rosinger, A.Y., Shah, S.H., Staddon, Ch., Workman, C., Wutich, A., Young, S.L., **Carrillo G.**, et al. and the Household Water Insecurity Experiences Research Coordination Network (HWISE RCN) (2021) “Household Water Insecurity Will Complicate the Ongoing COVID-19 Response: Evidence from 29 Sites in 23 Low- and Middle-Income Countries” *International Journal of Hygiene and Environmental Health* - Volume 234, May 2021, 113715
50. Jepson W., Stoler J., Baek J.,** Moran J., Uribe F., **Carrillo G.**, A Cross-sectional study in urban Mexico to measure household water insecurity and its health outcomes. *BMC Open*. 2021;11(3):e040825.
49. Venkataramanan V., Geere J.L., Thomae B., **Carrillo G.**, et al., Household Water Insecurity Experiences Research Coordination Network (HWISE RCN), et al. In pursuit of ‘safe’ water: the burden of personal injury from water fetching in 21 low-income and middle-income countries. *BMJ Global Health*, 2020;5:e003328.
- ^48. Baek J.,** Kash B., Xu X., Benden M., Roberts J., **Carrillo G.** Pediatric asthma hospitalization: individual and environmental characteristics of high utilizers in South Texas. *J Asthma*. 2020 Oct 8:1-11. doi: 10.1080/02770903.2020.1827424. Epub ahead of print. PMID: 32962451.
- ^47. **Carrillo, G.** Mendez-Domínguez, Nina., Datta-Banik, Rudradeep.,* Figueroa-López, Fernando.,* Estrella-Chan, Brandon.,* Alvarez-Baeza, Alberto., and Garza Norma. Asthma Mortality and Hospitalizations in Mexico from 2010 to 2018: Retrospective Epidemiologic Profile. *Int. J. Environ. Res. Public Health* 2020, 17(14), 5071; <https://doi.org/10.3390/ijerph17145071>
- ^46. Moreno Rangel A., Baek J.,** Roh T, Xu X, **Carrillo G.** Assessing Impact of Household Intervention on Indoor Air Quality and Health of Children with Asthma in the US-Mexico Border: a Pilot Study. *Journal of Environmental and Public Health*, 2020, 6042146; doi: 10.1155/2020/6042146
- ^45. Baek J.,** Kash B., Xu X., Benden M., Roberts J., **Carrillo G.** Effect of Ambient Air Pollution on Hospital Readmissions among the Pediatric Asthma Patient Population in South Texas: A Case-Crossover Study. *Int J Environ Res Public Health*. 2020, 17(13). doi:10.3390/ijerph17134846
- ^44. Mendez-Dominguez N., Álvarez-Baeza A.,* **Carrillo G.** Demographic and health indicators in correlation to interstate variability of incidence, confirmation, hospitalization, and lethality in Mexico: Preliminary analysis from imported and community-acquired cases during COVID-19 outbreak. *Int. J. Environ. Res. Public Health*, 2020, 17(12), 4281.

- ^43. Baek, J.,** Kash, B.A., Xu, X., Benden, M., Roberts, J., & **Carrillo, G.** Association between Ambient Air Pollution and Hospital Length of Stay among Children with Asthma in South Texas. *Int J Environ Res Public Health*. 2020;17(11).
<https://doi.org/10.3390/ijerph17113812>doi:10.3390/ijerph17113812
- ^42. John, J.,* Baek J.,** Roh T., Cabrera-Conner L., & **Carrillo, G.** Regional Disparity in Asthma Prevalence and Distribution of Asthma Education Programs in Texas. *Journal of Environmental and Public Health*, 2020:9498124. doi:10.1155/2020/9498124.
41. Brewis A, Workman C, Wutich A, Jepson W, Young S, **Carrillo G.**, et al., Network HWIERC. Household water insecurity is strongly associated with food insecurity: Evidence from 27 sites in low- and middle-income countries. *American Journal of Human Biology*. 2020;32(1):e23309.
- ^40. Baek, J.,** Huang Ke.,* Conner L., Tapengan N.,* Xu X., **Carrillo G.** Effects of the Home-based Educational Intervention on Health Outcomes among Hispanic Children with Asthma: A Quasi-Experimental Study. *BMC Public Health*, 2019;10(1):912.
39. Sera L Young, Shalean M Collins, Godfred O Boateng, Torsten B Neilands, Zeina Jamaluddine, Joshua D Miller, Alexandra A Brewis, Edward A Frongillo, Wendy E Jepson, Hugo Melgar-Quiñonez, Roseanne C Schuster, Justin B Stoler, Amber Wutich, **Genny Carrillo** on behalf of the HWISE Research Coordination Network. Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: the Household Water InSecurity Experiences (HWISE) Scale. *BMJ Open* 2019;9:e023558. doi:10.1136/ BMJ open-2018-023558
38. Acosta Enríquez, M.E., Uribe Salas, F.J., Baek, J., **Carrillo G.** Association between lifestyle behaviors and health outcomes in Adventist and non-Adventist adolescents in Mexico: a pilot study. *BMC Public Health*. 2019;19(1):1705. doi:10.1186/s12889-019-8042-0.
37. Zhang X.,* Xu X., Zhong Y., Power M., Taylor B., **Carrillo G.** Serum folate levels and urinary arsenic methylation profiles in the US population: NHANES, 2003-2012. *J Expo Sci Environ Epidemiol*. 2019;29(3):323-334. doi: 10.1038/s41370-018-0021-5
36. Hill AV., Menon R., Perez-Patron M., **Carrillo G.**, Xu X., Taylor BD. High-mobility group box 1 at the time of parturition in women with gestational diabetes mellitus. *Am J Reprod Immunol*. 2019;82(5): e13175. www.ncbi.nlm.nih.gov/pubmed/31353785
35. Young SL, Boateng GO, Jamaluddine Z, **Carrillo G.**, et al. The Household Water InSecurity Experiences (HWISE) Scale: development and validation of a household water insecurity measure for low-income and middle-income countries. *BMJ Global Health*. 2019;4(5):e001750.
34. Xu X, Zhang X, **Carrillo G**, Zhong Y, Kan H, Zhang B. A systematic assessment of carcinogenicity of chemicals in hydraulic-fracturing fluids and flowback water. *Environ Pollut*. 2019; 251:128-136. doi.org/10.1016/j.envpol.2019.04.016

33. Young SL, Collins SM, Boateng GO, **Carrillo G.**, et al. Development and validation protocol for an instrument to measure household water insecurity across cultures and ecologies: the Household Water InSecurity Experiences (HWISE) Scale. *BMJ Open*. 2019;9(1):e023558.
32. Zhang X.,* Johnson NM., **Carrillo G.**, Xu X. Decreasing trend in passive tobacco smoke exposure and association with asthma in US children. *Environmental Research*, 2018, 166: 35–41. doi.org/10.1016/j.envres.2018.05.022
31. Zamora, ML., Pulczynski,* Johnson N., Garcia-Hernandez R., Rule A., **Carrillo G.**, Zietsman J, Sandragorsian B.,* Vallamsundar, Askariyeh M., Koehler K. Maternal Exposure to PM 2.5 in South Texas, a pilot study. *Science of Total Environment*, 2018 Jul 1;628-629:1497-1507. <https://doi.org.ezproxy.library.tamu.edu/10.1016/j.scitotenv.2018.02.138>
- ^30. **Carrillo G.**, Perez-Patron., MJ, Johnson N., Zhang X.,* Lucio R., Xu X. Asthma Prevalence and School-Related Hazardous Air Pollutants in the US-Mexico Border Area. *Environmental research*. 2018;162, 41–48 doi.org/10.1016/j.envres.2017.11.057
- ^28. **Carrillo G.**, Perez-Patron., MJ., Lucio R., Cabrera L., Trevino A., Xu X., Mier N. The Benefits and Challenges of Managing Asthma in Hispanic Families in South Texas: A Mixed-Methods Study. *Frontiers in Public Health*, 2017;5:150.
- ^28. **Carrillo G.**, Uribe F., Lucio R., Ramirez Lopez A., Korc M. The United States–Mexico border environmental public health: the challenges of working with two systems. *Rev Panam Salud Publica*, 2017; 41: e98.
27. Mier N., Smith M., Wang X., Towne S., **Carrillo G.**, Garza N.,* Ory M. Factors associated with diet and exercise among overweight and obese older Hispanics with diabetes. *SAGE Open* April-June 2017: 1–11 DOI: 10.1177/2158244017710
26. Xiaohui Xu., Hui Hu., Gregory D. Kearney., Haidong Kan., **Genny Carrillo.**, Xinguang Chen. A population-based study of smoking, serum cotinine, and exhaled nitric oxide among asthmatics and a healthy population in the USA. *Inhal Toxicol*. 2016;28(14):724-730. doi: 10.1080/08958378.2016.1264502.
- ^25. **Carrillo G.**, Spence-Almaguer E., Lucio R., Chong- Menard B., Smith K. A Home-Based and holistic approach to address asthma management in South Texas. *Pediatric, Allergy, Immunology, and Pulmonology*. 2015;28(3):165-171. DOI: 10.1089/ped.2015.0523
- ^24. **Carrillo, G.**, Han, D., Lucio, R. L., Seol, Y.H., Chong-Menard, B., Smith, K. Impacting Environmental and Public Health through the Use of Dual Targeted and Tailored Asthma Educational Interventions. *J Environ Public Health*. 2015:476173. doi: 10.1155/2015/476173
23. Manzanares Rivera J.L., **Carrillo Zuniga G.** A Regional Approach to Healthcare Reform: The Texas Border. *The Health Care Manager Journal*. 2015; 34(1): 44–53.

22. **Zuniga Carrillo G.**, Seol Y.H., Dadig B., Guion W. K., Rice V. Progression in Understanding and Implementing the Cultural and Linguistic Appropriate Services Standards: Five-Year Follow-up at an Academic Center. *Health Care Manager*. 2013;32(2):167-172. doi: 10.1097/HCM.0b013e31828ef655.
21. Mier N, Smith M, Irizarry D.,* **Carrillo Zuniga G.**, Chanam L., Trevino L., Ory M. Bridging research and policy to address childhood obesity among border Hispanics: A Pilot Study. *Am J Prev Med*; 2013;44(3 SUPPL.3): S208-S214.
20. **Carrillo Zuniga G.**, Kirk S., Mier N., Lucio R., Garza, N*. I., Zuniga, M. A. The impact of asthma health education for parents of children attending Head Start Centers. *J Community Health*. 2012;37(5):1026-1031. doi: 10.1007/s10900-012-9571-y.
19. Garza N.,* **Carrillo Zuniga, G.**, Jiang L., Mier, N., Hellsten, J., Rene, A. Assessment of a Child Injury Prevention Intervention in the Texas-Mexico Border. *Texas Public Health Journal*. 2012; 64:19-22.
18. Lucio LR., **Carrillo Zuniga G.**, Seol Y.H., Garza N., * Mier N., Trevino L. Incorporating what Promotoras Learn: Becoming Role Models to Effect Positive Change. *J Community Health*. 2012;37(5):1026-1031. doi: 10.1007/s10900-011-9526-8.
17. **Carrillo Zuniga, G.**, Lucio, R. L., Seol, Y. H., Garza, N.I.,* Zuniga, M. A., Hernandez, T., Harrison, W*. Outcomes of Community Health Worker Intervention with Asthma Education and Healthy Homes Curriculum in South Texas Colonias. *Journal of Asthma & Allergy Educators*. 2012;3(1):27-33 doi: 10.1177/2150129711426571
16. Mier N., Smith M.L., **Carrillo Zuniga G.**, Wang X., Garza N.,* Ory MG. Personal and cultural influences on diabetes self-care behaviors among older Hispanics born in the US and Mexico. *Journal of Immigrant and Minority Health*. 2012;14(6):1052-1062. DOI10.1007/s10903-012-9639-x
15. Buchanan R.J., Johnson O., Zuniga M.A., **Carrillo Zuniga G.**, Chakravorty B.J. Health-Related Quality of Life Among Latinos with Multiple Sclerosis. *Journal of Social Work in Disability & Rehabilitation*, 2012;11(4):240-257.
14. **Carrillo Zuniga G.**, Kirk S., Hernandez D., Nadeau N., Chong-Menard B., Lucio R., Zuniga MA. Multi-Institutional collaboration to develop asthma education for school settings in South Texas. *Public Health Report*. 2011;126(1):139-144. (PMID: 21337940).
13. **Carrillo Zuniga G.**, Mier N., Seol YH., Villarreal E.,* Garza N.,* Zuniga MA. Home Hazards Assessment among Elderly in South Texas Colonias. *Texas Public Health Journal*. 2011; 63:24-27.
12. Buchanan R.J., Zuniga M.A., **Carrillo-Zuniga G.**, Chakravorty B.J., Tyry T., Moreau R.L., Vollmer T. A Pilot Study of Latinos with Multiple Sclerosis: Demographics, Disease, Mental Health, and Psychosocial Characteristics. *Journal of Social Work in Disability and Rehabilitation*. 2011;10(4):211-231. (PMID: 22126140)

- ^11. **Carrillo Zuniga G.**, Seol YH., Kirk S., Hernandez D., Nadeau N., Zuniga M. Impact of Asthma 101 Training on Level of Nursing Students' Knowledge. *Journal of Asthma & Allergy Educators*. 2010;1(4):138-144. <http://jaa.sagepub.com.lib-ezproxy.tamu.edu:2048/content/1/4/138.full.pdf+html>
- ^10. **Carrillo Zuniga G.**, Mier N., Seol Y.H., Zuniga, M. Use of household safety devices among South Texas Colonia Residents. Texas. *Texas Public Health Journal*. 2010;62(1): 24-27.
9. Buchanan R.J., Zuniga M.A., **Carrillo-Zuniga G.**, Chakravorty B.J., Huang C., Tyry T., Moreau R.L., Vollmer T. Comparison of Latinos, African Americans, and Caucasians with Multiple Sclerosis. *Ethnicity and Disease*. 2010; 20(4):451-457. (PMID: 21305836)
- ^8. **Carrillo Zuniga G.**, Kirk S., Hernandez T. A Focus on Asthma and Individual Health Plans: A Survey of Texas Schools. *Journal of Asthma & Allergy Educators*. 2010;1(1):22-27. <http://jaa.sagepub.com.lib-ezproxy.tamu.edu:2048/content/1/1/23.full.pdf+html>
- ^7. Zuniga M., **Carrillo-Zuniga G.**, Seol YH, Fos P. Multi-Criteria Assessment of County Public Health Capability Disparities. *J Health Hum Serv Adm*. 2009;32(3):238-258. (PMID: 20099579).
- ^6. **Carrillo Zuniga G.**, Donnelly K.C., Cortes D.E., Olivares E., Gonzalez H., Cizmas L.H. Border Health 2012: Binational Collaboration to Develop an Outreach Environmental Educational Program. *Public Health Reports*. 2009, May/June;124(3):466-470. (PMID: 19445425).
- ^5. **Carrillo-Zuniga G.**, Dadig B., Guion W., Rice V. Awareness of the National Standards for Culturally and Linguistically Appropriate Services (CLAS) at an Academic Health Center. *The Health Care Manager*. 2008;27(1):45-53. (PMID: 18510144).
4. Sumaya C., **Carrillo-Zuniga G.**, Kelley M.,* May M., Zhu L., Donnelly K.C. Linking Research to Health Promotion in Texas Colonias. *American Journal of Health Studies*. 2006; 21(4), 245-252. [http://web.ebscohost.com.lib-e-proxy.tamu.edu:2048/ehost/pdfviewer/pdfviewer?vid=4&hid=127&sid=af049f29-474c4"16-9a67-058bc3e32dcd%40sessionmgr110](http://web.ebscohost.com.lib-e-proxy.tamu.edu:2048/ehost/pdfviewer/pdfviewer?vid=4&hid=127&sid=af049f29-474c4)
- ^3. **Carrillo-Zuniga G.**, Coutinho C.,* Shalat S.L., et al. Potential Sources of Childhood Exposure to Pesticides in an Agricultural Community. *Journal of Children's Health*. 2004;2(1):29-39.
2. Zuniga M.A., **Carrillo-Jiménez G.**, Fos, P., Gandek B., Medina-Moreno M.R. Health Status Evaluation with the SF-36 Survey: Preliminary Results of its Use in Mexico. *Salud Publica de México*. 1999;March-April(2):110-115. (PMID: 10343514)
1. Santos Burgoa C., Alatorre Eden Mynter R., **Carrillo Jiménez G.**, Rivera Ramírez L., Rojas Bracho L., Escamilla Cejudo J.A., Lara Flores E. Evaluation of the Development and Implementation of the Environmental Health Degree Program. *Salud Publica de México*. 1993; April(2):202-213.

BOOK CHAPTERS

4. Moreno A, **Carrillo G.** Energy-efficient homes: a heaven for respiratory illness. eEditorial Discovery eds. *Advancements in Sustainable Architecture and Energy Efficiency*. June 2021 ISBN13:9781799870234
3. **Carrillo, G.**, Mehta., R.K., Johnson, N. Neurocognitive effects of Pesticides in children. In Riccio CA, Sullivan JR, eds. *Pediatric Neurotoxicology: Academic and Psychosocial Outcomes*. Cham: Springer International Publishing; 2016:127-141.
2. Johnson, N.M., **Carrillo, G.**, Mehta, R.K. Academic and Psychosocial Impact of Air Pollution on Children. In: Riccio CA, Sullivan JR, eds. *Pediatric Neurotoxicology: Academic and Psychosocial Outcomes*. Cham: Springer International Publishing; 2016:167-180.
1. Millard, A.V., Graham, M.A., Mier, N., Flores, I., **Carrillo-Zuniga, G.**, Sánchez, E.R. Addressing Health Disparities: The Hispanic Perspective. In S. Kosoko-Lasaki, R.L. O'Brien & C.T. Cook [Eds.]. *Promoting Cultural Proficiency in Eliminating Health Disparities*. (2009) Boston: Jones & Bartlett Publishers. ISBN-13: 9780763751746.

JOURNAL EDITORIAL BOARD ACTIVITIES

- 2018-Present **Associate Editor.** *BMC Public Health*
- 2018-Present **Executive Editor.** *Journal of Environmental Research*

REVIEWER SERVICE FOR RESEARCH JOURNALS

- *Journal of Asthma and Allergy Educators*
- *Journal of Asthma*
- *Texas Public Health Journal*
- *Pediatric Allergy, Immunology, and Pulmonology*
- *Pan American Health Organization Journal*
- *The Journal of Rural Health*
- *Chest*
- *Frontiers*
- *BMC Pediatrics*
- *BMC Public Health*
- *American Journal of Public Health*
- *Health Education Research*
- *Journal of Public Health Management and Practice*
- *American Journal of Health Behavior*
- *American Journal of Public Health*
- *Health Education and Behavior*
- *Journal of Asthma and Allergy*

- *Perspectives in Public Health*
- *International Journal of Public and Environmental Research*
- *PlosOne*
- *American Journal of Human Biology*
- *International Journal of Chronic Obstructive Pulmonary Disease*
- *Environmental Research*
- *Environment International*

PEER-REVIEWED CONFERENCE PRESENTATIONS

**Indicates the first author is a graduate student.*

68. Taehyun Roh, Juha Baek, Alejandro Moreno-Rangel, Genny Carrillo. The impact of working from home during COVID-19 pandemic on employee's health: Implication of indoor air quality. APHA 2021 Virtual Annual Meeting and Expo (Oct.23-27).
67. Moreno- Rangel A, Roh T, Wang T, Baek J, Carrillo G. Improving health outcomes of asthmatic children through indoor air quality management and asthma education — Case study. HB2021- Europe, 21-23 June 2021.
66. Juha Baek, Taehyun Roh, Genny Carrillo. Impact of an asthma education program on health outcomes among children with asthma in south Texas: Using the RE-AIM model. APHA 2021 Virtual Annual Meeting and Expo (Oct.23-27).
65. Juha Baek, Taehyun Roh, Genny Carrillo. Implementing an Asthma Education Program to Improve Health Outcomes and Reduce Health Disparities Among Children with Asthma in South Texas. Virtual Academy Health 2021, June 14-17.
64. *Santos Zaldivar KP, Mendez-Domingue N, Gomez Carro S, Datta Banik S & Carrillo G. Impact of the COVID-19 pandemic on Maternal Mortality in Mexico. 46th Virtual Annual Meeting of the Human Biology Association 2021 (March 29-April 2).
63. *Mendez Dominguez N, Santos-Zaldivar D, Rochel-Perez K, Azuela-Morales M, Cuevas-Koh O, Alvarez-Baeza A, Carrillo G. Obesity and Comorbidities among hospitalized patients who died to COVID-19 in Mexico. 46th Virtual Annual Meeting of the Human Biology Association 2021 (March 29-April 2).
62. *Maria Roque, Lucy Cabrera-Conner, Hala Shakir, Genny Carrillo, Maria Perez-Patron, Ph.D. Designing a gestational diabetes curriculum for community health workers in the Texas-Mexico border: A culturally competent, community-based approach. APHA's 2020 Virtual Annual Meeting and Expo (Oct. 24 - 28).

61. Alejandro Moreno-Rangel, Juha Baek, Taehyun Roh, Lucy Cabrera-Conner, Genny Carrillo. Household intervention to improve indoor air quality and health of children with asthma in the US-Mexico border: A pilot study. APHA's 2020 Virtual Annual Meeting and Expo (Oct. 24 - 28).
60. *Juha Baek, Bitu Kash, Xiaohui Xu, Mark Benden, Jon Roberts, Genny Carrillo. Association between ambient air pollution and hospital length of stay among children with asthma in south Texas. APHA's 2020 Virtual Annual Meeting and Expo (Oct. 24 - 28).
59. *Juha Baek, Bitu Kash, Xiaohui Xu, Mark Benden, Jon Roberts, Genny Carrillo. Effect of ambient air pollution on hospital readmission for pediatric asthma in south Texas: A case-crossover study. APHA's 2020 Virtual Annual Meeting and Expo (Oct. 24 - 28).
58. *Juha Baek, Bitu Kash, Xiaohui Xu, Mark Benden, Jon Roberts, Genny Carrillo. Profile of high utilizers in pediatric asthma hospitalization: Identifying individual and environmental characteristics. APHA's 2020 Virtual Annual Meeting and Expo (Oct. 24 - 28)
57. Taehyun Roh, **Genny Carrillo**. Arsenic exposure and Measles Antibody Titers in US Children: NHANES 2003-2004 and 2009-2010. 32nd annual conference of the International Society for Environmental Epidemiology (ISEE 2020), Virtual Meeting, August 24-27.
- 56.*Juha Baek, Ke Huang, Lucy Cabrera-Conner, Xiaohui Xu, **Genny Carrillo**. Effects of the Home-based Educational Intervention on Health Outcomes among Primarily Hispanic Children with Asthma in US-Mexico Border: A Quasi-Experimental Study. Presented at the American Public Health Association, Philadelphia. Nov 2-6, 2019.
55. Yoon-Ho Seol, Vivian Dicks, Wonsuk Yoo, **Genny Carrillo**. Association of multiple chronic conditions and limitations in daily activities among adults in the United States. Presented at the American Public Health Association, Philadelphia. Nov 2-6, 2019.
54. Maria Perez-Patron, Maria Roque,* Lucia Conner, Cruselva Pena,* **Genny Carrillo**, Brandie D. Taylor. A Community-based Approach to identifying the educational needs of Hispanic women at risk of Gestational Diabetes in the Texas-Mexico border. Presented at the American Public Health Association, Philadelphia. Nov 2-6, 2019.
53. Uribe-Salas Felipe Javier, **Carrillo Genny**, Jepson Wendy, Morán Javier. Enfermedades Diarreicas e Indicadores Sociales y de Acceso al Agua en Viviendas en Torreón, Coahuila, México. Presented on May 29-June 1st, in the XII Congreso Panamericano de Infectología, Luque, Paraguay.
52. Xu X, **Carrillo G**. Glucose Homeostasis, and Insulin Resistance in the USA. International Society for Environmental Epidemiology in the Netherlands, 25 to August 28, 2019
51. Patron M, Conner L, Roque M,* Pena C,* Yamba L,* **Carrillo G**, Taylor B. Evaluating the Educational needs of Hispanic Women at Risk of Gestational Diabetes in communities in the Texas-Mexico border. 2019 AMCHP Annual Conference, March 9-12 San Antonio, Texas

50. **Genny Carrillo**, Wendy Jepson. Juha Baek,* Javier Moran, Alejandra Lopez,* Felipe Uribe Salas. Household water insecurity, seasonality, and public health challenges in urban Mexico: A cross-sectional study in Torreon. AAG in Washington, DC. April 3-7th, 2019
49. **Carrillo G**, Xu, X, Seol Y, Zhong, Y,* Perez-Patron M. School-Related Hazardous Air Pollutants in the US-Mexico Border Area and Asthma Prevalence in School Children. Presented at the American Public Health Association for the 145th meeting. Nov 4-8, 2018.
48. Zhong Y,* Xu X, **Carrillo G**. Serum Folate level and arsenic methylation in the US population NHANES 2003-2012. Presented at the American Public Health Association for the 145th meeting. Nov 4-8, 2017.
47. Seol Y, **Carrillo G**, Bhat A, Predictors of self-perceived health in adults with chronic conditions – a decision tree approach. Presented at the American Public Health Association for the 145th meeting. Nov 4-8, 2017.
46. Johnson NM, Pulczynski JC,* Rychlik KA, Guo J, Shi W, **Carrillo G**, Zietsman J, Vallamsundar S, Koehler K, Levy M Zhang R. Biomarkers of prenatal exposure to particulate air pollution in US and China populations. American Society National Meeting, Philadelphia, PA, Aug 21-25, 2016.
45. JC, Rychlik KA, Ramani T, McDonald TJ, **Carrillo G**, Koehler K, Zietsman J, Johnson NM. Validation of novel biomarkers of traffic-related ambient air pollution exposure in a susceptible South Texas Population. American Chemical Society National Meeting, Philadelphia, PA, Aug 21-25, 2016.
44. **Carrillo G**, Spence-Almaguer E, Lucio R, Chong-Menard B, Smith K An Integrated Approach to Address Asthma Management in South Texas. Presented at the Binational Health Forum. Universidad Autónoma de Nuevo León, México. October, 2015
43. **Carrillo G.**, Seol YH, Spence-Almaguer, Lucio R, Manzanares JL. An Integrated Approach to Address Asthma Management in US-Mexico Border. Presented at the American Public Health Association for the 143rd meeting. Oct. 31- Nov 4., 2015.
42. Seol YH, **Carrillo G**, Bhat A, Zuniga M. Applying data analytics to national survey data to explore patient satisfaction with health care providers among multiple chronic conditions. Presented at the American Public Health Association for the 143rd meeting. Oct. 31st- Nov 4.th, 2015.
41. **Carrillo Zuniga G.**, Chong-Menard B., Pena G., Del Bosque A., Seol YH, Lucio R. Working towards the improvement of Asthma Outcomes in Schools using a curriculum implemented by Respiratory Therapy Students. Presented at the American Public Health Association for the 141st meeting. Nov. 2-6, 2013.

40. Seol YH, **Carrillo Zuniga G.**, Zuniga M. Exploring the Co-occurrence Patterns of Multiple Chronic Diseases in the US Adult Population using Association Rule Discovery. Presented at the American Public Health Association for the 141st meeting. Nov. 2-6, 2013.
39. Seol YH, **Carrillo Zuniga G.**, Zuniga M. Effective Segmentation of the US Aging Population to Improve the Delivery of Preventive Health Services. Presented at the American Public Health Association for the 140th meeting. Oct. 27- 31, 2012.
38. **Carrillo Zuniga, G.**, Dadig B., Seol, YH, Guion K., Rice V., Garza N. Are academic institutions teaching their students about the National Standards for Culturally Linguistic Appropriate Services? Presented at the American Public Health Association for the 140th meeting. Oct. 27- 31, 2012.
37. Zuniga, M., Seol, YH, **Carrillo Zuniga G.** Harmonizing data dictionaries across all health data collection, sharing, and reporting initiatives. Presented at the American Public Health Association for the 140th meeting. Oct. 27- 31, 2012.
36. **Carrillo Zuniga G.**, Jiang L., Mier N., Hellsten J., Garza N., Antonio R., Seol YH. Assessment of a Child Injury Prevention Intervention among Mexican Americans in the Texas-Mexico Border. Presented at the American Public Health Association for the 140th meeting. Oct. 27- 31, 2012.
35. Mier N., Smith M., **Carrillo Zuniga G.**, Garza N., Trevino L., Ory M. Personal and cultural influences on healthy behaviors among older Hispanics with diabetes born in the US and Mexico. Presented at the International Society for Behavioral Nutrition and Physical Activity 2012 Annual Meeting. May 23-26, 2012.
34. Seol, Y., **Carrillo Zuniga, G.**, Zuniga, M. Association Rule Mining on National Survey Data: An Analysis of Timely Receipt of Preventive Care or Screening Examinations. Accepted, American Public Health Association, 139th meeting, October 29- November 2, 2011.
<http://apha.confex.com/apha/139am/webprogram/Paper246585.html>
33. **Carrillo Zuniga, G.**, Hernandez, D., Kirk, S., Lucio, R., Seol, Y., Zuniga, M. A Collaborative Asthma and Healthy Homes Training to Improve Well-Being of Families Living With Asthma in South Texas Colonias. Presented, American Public Health Association, 138th meeting, November 6-10, 2010.
<http://apha.confex.com/apha/138am/webprogram/Paper219146.html>
32. **Carrillo Zuniga, G.**, Nadeau, N., Chong-Menard, B., Hernandez, D., Lucio, R., Seol, Y., Zuniga, M. A Multi-Institutional Collaboration to Develop a Successful Asthma Education Program for School Settings in South Texas. Presented, American Public Health Association, 138th meeting, November 6-10, 2010. <http://apha.confex.com/apha/138am/webprogram/Paper219160.html>
31. Seol, Y., **Carrillo Zuniga, G.**, Zuniga, M. Satisfaction with Health Care Providers among Elderly Population with Lower Self-Rated Health Status. Presented American Public Health Association,

138th meeting, November 6-10, 2010.

<http://apha.confex.com/apha/138am/webprogram/Paper225995.html>

30. Seol, Y., **Carrillo Zuniga, G.**, Zuniga, M. Assessing Patient-Centered Communication Using Decision Tree Classification. Presented, American Public Health Association, 138th meeting, November 6-10, 2010. <http://apha.confex.com/apha/138am/webprogram/Paper230245.html>
29. **Carrillo Zuniga, G.** Global Climate Change. Texas Public Health Association “Cresting the Wave: 2010 and Beyond”, South Padre Island, Texas, April 21-23, 2010.
28. **Carrillo Zuniga G.**, Mier N., Seol, YH., Villarreal, EK., Lawn-Day, GA., Zuniga, MA. Home safety: Awareness and perceived risks among households with children in the Texas Lower Rio Grande Valley. U.S.-Mexico Border Health Association, 67th Annual Meeting, June 3-5, 2009
27. Mier N., **Carrillo-Zuniga G.**, Villarreal, EK.,* Lawn-Day, GA., Seol YH., Zuniga, MA. Assessing home safety hazards among border older Mexican Americans. U.S.-Mexico Border Health Association, 67th Annual Meeting, June 3-5, 2009
26. **Carrillo Zuniga G.**, Mier N., Seol, YH., Zuniga, MA. Home Safety Assessment among households with children in the Texas Rio Grande Valley. American Public Health Association, 137th meeting, November 7-11, Philadelphia, Pennsylvania, 2009. <http://apha.confex.com/apha/137am/webprogram/Paper199054.html>
25. Seol YH., **Carrillo Zuniga, G.**, Zuniga, M. Assessing Subjective and Objective Health in Elderly Adults: Disparity in Health Status. American Public Health Association, 137th meeting, November 7-11, Philadelphia, Pennsylvania, 2009. <http://apha.confex.com/apha/137am/webprogram/Paper209383.html>
24. Seol, YH., **Carrillo Zuniga, G.**, Zuniga, M. Analyzing Temporal Trends in Public Health Using Association Rule Mining, American Public Health Association, 137th meeting, November 7-11, Philadelphia, Pennsylvania, 2009. <http://apha.confex.com/apha/137am/webprogram/Paper209624.html>
23. Seol YH., Ferrang, C., **Carrillo Zuniga G.**, Zuniga, MA. Developing Evidence-Driven Strategies Using Data Mining for Improving Patient Satisfaction, American Public Health Association 136th meeting. October 25-29, 2008.
22. **Carrillo Zuniga G**, Dadig B, Guion K. “Are Health Care Professionals Aware of the National Standard for Culturally and Linguistically Appropriate Services (CLAS)?” Presented, 135th Annual Meeting, American Public Health Association, Washington, DC, 2007.
21. **Carrillo Zuniga G**, Dadig B, Guion K. “Lessons Learned from a New Medical Spanish Course in a Physician Assistant Program” presented, 135th Annual Meeting, American Public Health Association, Washington, DC, 2007.

20. Seol YH, **Carrillo-Zuniga G**, Zuniga M. “Patient Satisfaction for Improving Evidence-Based Decision Making” presented 135th Annual Meeting, American Public Health Association, Washington, DC, 2007.
19. **Carrillo Zuniga G**, Sumaya C. “Linking Education to Health Promotion in Texas” presented 77th Annual Conference, Georgia Public Health Association, Augusta, GA 2006.
18. **Carrillo Zuniga G**, Dadig B. “Study of Culturally and Linguistically Appropriate Services among Health-Care Professionals” presented 77th Annual Conference, Georgia Public Health Association, Augusta, GA 2006.
17. Seol YH, Zuniga M, **Carrillo Zuniga G**. “Assessing the Knowledge Structure of Public Health for Information Retrieval” presented 77th Annual Conference, Georgia Public Health Association, Augusta, GA 2006.
16. Zuniga M., **Carrillo Zuniga G.**, Seol Y. “Population-Based County Health Assessment. Improvement Simulation Using What-If Scenarios” presented 77th Annual Conference, Georgia Public Health Association, Augusta, GA 2006.
15. Seol YH, **Carrillo Zuniga G.**, Zuniga MA. “Maximizing Use of Public Domain Mapping Tools and Health Care Data” presented, 2nd. Symposium “GIS in Teaching a Research 2006”, Athens, GA, February 23-24, 2006.
14. Zuniga, MA, **Carrillo Zuniga G.**, Seol YH. “GIS Application to assess nursing home quality in Georgia” 133rd meeting, American Public Health Association, Philadelphia PA, 2005.
13. Zuniga, MA, **Carrillo Zuniga G.**, Alexander J, and Blakely CH. “Preventive health practices in four isolated communities in countries of the Americas.” 133rd meeting, American Public Health Association, Philadelphia, PA, 2005.
12. **Carrillo-Zuniga, G.** “Environmental Health Assessment and Training of Promotoras at Cameron Park Colonia, Brownsville, Texas, presented, American Public Health Association, 130th Annual Meeting and Exposition, Philadelphia, Pennsylvania, November 11, 2002.
11. Zuniga, M.A., Fos, P.J., **Carrillo-Zuniga, G.** “Appropriateness of a Spanish Version of the Child Health Questionnaire in Rural Honduras”, presented, American Public Health Association, 130th Annual Meeting and Exposition, Philadelphia, Pennsylvania, November 11, 2002.
10. Zuniga, M.A., **Carrillo, G.** “Health Status Evaluation with the SF-36 Health Survey for Use in Mexico. A Comparison of Health Scales Profiles Among Healthy Adults in 1995 and 1997”, presented, 15th Annual Meeting, Association for Health Services Research, Washington, DC, 21-23 June, 1998.

9. Fos, P., **Carrillo, G.** White, L., Zuniga, M.A. “Application of Decision Analysis in Environmental and Public Health Planning,” Health Services Research 14th Annual Meeting, Chicago, Illinois, June 1997.
8. Zuniga, M., **Carrillo, G.** Fos, P., Gandek, B. “Population-Based Health Status Norms,” presented, 12th International Meeting, International Society of Technology Assessment in Health Care, San Francisco, California, June 23-26, 1996.
7. **Carrillo Jimenez, G.**, Barcelo, Quintal, M. “Study of the Lead Levels in Samples of Sand, Paint, and Soil in Five Playgrounds in Merida, Yucatan, Mexico,” presented X Academic Symposium, University of Yucatan, Merida, Yucatan, Mexico, March 13-16, 1996.
6. **Carrillo Jimenez, G.**, Zuniga Donaire M., Fos P., Gandek B., Medina, Moreno M. “Evaluation of the Health Status with the SF-36 Survey: Preliminary Results During Its Use in Mexico, presented at the X Academic Symposium, University of Yucatan, Merida, Yucatan, Mexico, March 13-16, 1996.
5. **Carrillo Genny**, Barceló M, Torres R, Manzanilla JC, Sosa, AC. “Lead Levels in Urban Soils in Merida City,” presented at the X National Congress of Analytic Chemistry, Mexico DF, October 25-27, 1995.
4. Castillo I, Pinto D, **Carrillo G**, Ceballos M, Garcia G. “Prevalence of Anencephaly in the State of Yucatan from 1990-1994”, presented at the XX Annual Congress of the Mexican Association of Human Genetics, San Luis Potosi, SLP, Mexico, October 4-7, 1995.
3. **Carrillo G**, Barceló M, Torres R., Manzanilla J, Sosa AC. “Determination of the Lead Levels in Playgrounds in the City of Merida, Yucatan,” presented at the VII Week of Ecology and Protection to the Environment, Queretaro, Qro. October 30 – November 3, 1995.
2. **Carrillo G**, Barceló M, Torres R, Manzanilla, J, Sosa AC. “Preliminary Study of the Total Lead Levels in Urban Dust in 5 Zones in the City of Merida and its Comparison with Similar Studies in Mexico”, presented at the Regional Congress on the Conservation of the Natural Resources, Society of Environmental and Sanitary Engineering in Yucatan, November 8–11, 1995.
1. Santos Burgoa C, **Carrillo Jiménez G.** “Master’s in Sciences in Environmental Health,” presented at the “Third Academic Congress in Public Health,” Mexico, D.F., January 29, 1990.

Invited Lectures and Featured Speeches

State/National/International

Carrillo, G. “Evaluacion del programa de asma para mejorar y reducir las disparidades de salud entre la poblacion Hispana en el Sur de Texas.” [Featured speaker]. Escuela de Medicina Campus Laguna Gomez Palacio, Durango Mexico. Primer Congreso Internacional de Investigacion en Medicina de la Universidad Autonoma de Durango Campus Laguna. 7º Encuentro de Investigacion Virtual. 29 de Octubre 2021

Carrillo, G. “Updates in Lead and Community Needs.” Virtual Panel coordinated by the Texas Childhood Lead Poisoning Prevention Program, Coordinator, Blood Lead Surveillance Branch, Department of State Health Services. October 27, 2021

Regional

15. **Carrillo G.** Integrated Education in Children with Asthma in Corpus Christi, Texas. Driscoll Children Hospital. February 15, 2020. Corpus Christi, TX.
14. **Carrillo G.** Health Outcomes in Hispanic Children with Asthma in South Texas: Current projects. Methodist Hospital, September 10, 2019. Houston, TX.
13. **Carrillo G.** Healthy South Texas. Asthma, Allergy, and Pulmonary Diseases Conference. Healthy Homes, Healthy Children: How Environmental Conditions Impact Asthmatic Children. March 18, 2018, Texas A&M Coastal Bend Health Education Center, Corpus Christi, Texas.
11. **Carrillo G.** International Symposium of Water. Impact of Water of Insecurity and Gastrointestinal diseases, October 18th, 2018 held in Torreon, Coahuila. School of Medicine, Universidad Autónoma de Torreon, MX.
9. **Carrillo Zuniga, G.** An educational asthma event. *Helping kids take action against asthma* for RRT’s, RN’s, PA’s, School Nurses, RN students, RT students, and PA students was offered on June 15, 2013. McAllen, Texas.
11. **Carrillo G.** Children’s Environmental Health, Environmental Protection Agency. Asthma in South Texas. Washington, DC, on October 13, 2016.
10. **Carrillo G.** Children’s Environmental Health U.S.-MX Border Symposium. Protecting Children Where They Live, Learn, and Play in Border Communities and Beyond. Brownsville, TX, on August 25, 2016.
9. **Carrillo Zuniga, G.** South Texas College, Respiratory Therapy Program, Asthma Education, and Schools. August 30, 2013, McAllen, Texas.
8. **Carrillo Zuniga.** U.S.-Mexico Border 2020 Gulf Task Force Meeting. Presentation: The development of a repository for environmental health in the US-Mexico Border. December 08, 2013, Weslaco, Texas.
7. **Carrillo Zuniga.** Healthy School Environments for South Texas event was offered to maintenance workers of Independent School Districts from the region. Presentation: Indoor Air pollution and health effects. *March 23rd, 2013*, McAllen, Texas
6. **Carrillo Zuniga, G.** University of Texas-Pan American, Nursing Program Health and Prevention. Nursing Asthma 101, March 10, 2014, Edinburg, Texas.

5. **Carrillo Zuniga, G.** University of Texas-Pan American, Nursing Program Health and Prevention. Nursing Asthma 101, March 10, 2014, Edinburg, Texas.
4. **Carrillo Zuniga, G.** U.S.-Mexico Border 2020 Gulf Task Force Meeting. The development of a repository for environmental health in the US-Mexico Border. December 8, 2013, Weslaco, Texas.
3. **Carrillo Zuniga, G.** Asthma Coalition of Texas. Outcomes of Asthma Education offered by Community Health Workers in South Texas Colonias, September 9, 2011, Houston, TX.
2. **Carrillo Zuniga, G.** Third Annual Family Engagement Conference, McAllen High School, September 21, 2011, McAllen TX.
1. **Carrillo Zuniga, G.** Rio Grande Regional Hospital. Collaborative Efforts with the asthma program and hospitals in the area, Nov 2, 2011. McAllen, TX.

TEACHING EXPERIENCE (directed studies not listed)

- Courses Taught:
- PHLT 330 The Environment and Public Health (undergraduate), 2018, 2021
 - PHLT 445 Applications of Public Health (undergraduate), 2021
 - PHEO 613 Introduction to Environmental Health Disparities, (graduate), 2017-present
 - PHEO 612 Global Environmental Health, (graduate), 2013-present
 - PHEO 612 International Environmental Health, (graduate), 2010-2012
 - PHEO 630 Case Studies in Environmental and Occupational Health, (graduate), 2010-2012
 - IMPH 8700 Introduction to Environmental Health, Department and Health Informatics, College of Allied Health Sciences, Medical College of Georgia, Augusta, GA. (graduate), 2005-2007
 - IMPH 8600 Health Promotion, Department and Health Informatics, College of Allied Health Sciences, Medical College of Georgia, Augusta, GA. (graduate), 2005-2007
 - PAD 5050 Cultural Competence and Medical Spanish, Department of Physician Assistant, College of Allied Health Sciences, Medical College of Georgia, Augusta, GA., (graduate), 2005-2007
 - HIM 199 Introduction to Public Health, Department and Health Informatics, College of Allied Health Sciences, Medical College of Georgia, Augusta, GA., (graduate), 2006-2007
 - Basic Principles of Toxicology, School of Public Health, National Institute of Public Health, Mexico, DF. (graduate), 1990
 - Health Risk Assessment and Risk Management, School of Public Health, National Institute of Public Health, Mexico, DF., (graduate), 1990
- Guest Lecturer:
- PHEB 621 Foundations of Maternal and Child Health, (graduate), 2014-2020*
 - NURS 4201 Community Health and Prevention (undergraduate) University of Texas-Pan American, Nursing Program. Edinburg, TX.

Mentoring:

1. Taehyun Roh, Assistant Professor, Department of Biostatistics and Epidemiology, Texas A&M University, 2019-present.

DISSERTATION COMMITTEES

Chair

- 2018-20 **Juha Baek, Dr.PH.** Department of Environmental and Occupational Health. “Environmental Factors and Hospital Utilization for Pediatric Asthma in South Texas: Air Pollution, Hospital Length of Stay, and Readmissions.
- 2019-Present **Chair.** Doctoral Dissertation Committee. Alexander Obeng Boakye. Department of Environmental and Occupational Health, School of Public Health, Texas A&M Health Science Center, College Station, TX.
- 2019-Present **Chair.** Doctoral Dissertation Committee. Gregory Washington. Department of Environmental and Occupational Health, School of Public Health, Texas A&M Health Science Center, College Station, TX.
- 2018-Present **Member.** Doctoral Dissertation Committee, Bangning Zhang. Department of Epidemiology and Biostatistics, School of Public Health, Texas A&M Health Science Center, College Station, TX.

DEPARTMENTAL & UNIVERSITY SERVICE

- 2021-Present **Member,** ADVANCE Workshop Committee, Texas A&M University, College Station, TX.
- 2020-Present **Member,** Committee on Academic Freedom, Responsibility, and Tenure (CAFRT) Texas A&M University, College Station, TX.
- 2016-present **Member.** Alpha Tau, Chapter of the Delta Omega Committee. Texas A&M University, College Station, TX.
- 2014-2020 **Member,** Faculty Development Leave, elected, Texas A&M University, College Station, TX.
- 2017-2019 **Co-Chair.** Faculty Council Executive Committee, School of Public Health, Texas A&M University, College Station, TX.
- 2018-2019 **Member,** LMS Sub-Committee, Texas A&M University, College Station, TX,
- 2013-
Present **Member,** DrPH Admission Committee, School of Public Health, Texas A&M University, College Station, TX.
- 2013-Present

Member, Promotion and Tenure Committee, Environmental and Occupational Department, School of Public Health, Texas A&M University, College Station, TX.

- 2004-2005 **Member**, Doctoral Task Force Committee, School of Rural Public Health, Texas A&M University, College Station, TX.
- 2005-2007 **Member**. Curriculum to go Committee at Medical College of Georgia for the School of Allied Health Sciences, Augusta, GA.
- 2005-2007 **Member**, Faculty Council Committee at Medical College of Georgia for the School of Allied Health Sciences, Augusta, GA.
- 2005-2007 **Member**, Faculty Council Committee, Subcommittee of the MCG Appointment, Development, Promotion, and Tenure at Medical College of Georgia for the School of Allied Health Sciences, Augusta, GA.
- 2005-2007 **Member**, Member, Medical Technology Program Advisory Committee at Medical College of Georgia for the School of Allied Health Sciences, Augusta, GA.
- 1995-2016 **Member**. Eta Chapter of the Delta Omega Committee. Tulane University, School of Public Health and Tropical Medicine, New Orleans, LA.

RESEARCH AFFILIATIONS

- 2020-Current **Visiting Profesor**, Universidad de Montemorelos, Nuevo León, México.
- 2019-Current **Faculty Research Affiliate**, *Center for Population Health and Aging*, School of Public Health, Texas A&M University, College Station, TX.
- 2007-2009 **Adjunct Professor**, Medical College of Georgia, Department of Health Informatics, School of Allied Health Sciences, Augusta, Georgia.
- 2007-2009 **Adjunct Professor**, Medical College of Georgia, Department of Physician Assistant, School of Allied Health Sciences, Augusta, Georgia.

CURRENT PROFESSIONAL ORGANIZATION MEMBERSHIP

American Public Health Association
 Academy Health
 International Water Resource Association

PROFESSIONAL ORGANIZATION

- 2015-Present **Member**. US-Mexico Border Commission, Research Network Team.
- 2012-Present **Co-Chair**. Environmental Education Committee, Gulf Task Force, US-Mexico, Border
- 2009-Present **Member**. Advisory Board, Chronic Disease Coalition, DSHS, Austin, TX.

- 2007-2012 **Member.** US Environmental and Protection Agency Border Health 2012 (Gulf Group).
- 2018-Present **Member.** Lead Screening Advisory Group, Texas Department of State Health Services, Austin, TX.
- 2011-Present **Member.** Advisory Committee for the Respiratory Therapy Program, South Texas College, Dr. Ramiro R. Casso Nursing & Allied Health, McAllen, TX.

MEDIA & INTERVIEWS

- 2021 [The Progressive Magazine](#) highlights Dr. Genny Carrillo's research in their article on COVID-19 leading to higher global maternal mortality rates.
- 2021 Interview by Mariana Lenharo from Scientific American. <https://www.scientificamerican.com/article/vaccination-protects-pregnant-people-and-their-babies-from-severe-covid/>
- 2018 **Newspaper Interview.** La Laguna Newspaper, Torreón, Coahuila, México (10/19/2018). Water Insecurity in 46% of Households.
- 2017 **Centers for Disease Control.** <https://www.cdc.gov/asthma/pdfs/asthmastories.pdf> Learning as we grow. Evaluation Highlights from National Asthma Control Programs Grantees Select Media Features.
- 2017 **Univision** May 15, 2017: <http://www.univision.com/san-antonio/kwex/noticias/asma/protege-at's-hijos-de-un-ataque-de-asma-video>), Asthma Educational Briefs.
- 2016 **Channel 4, McAllen, Texas** (May 2016). Interview regarding the Asthma and Head Start Centers Study. March 2016. <http://valleycentral.com/news/local/asthma-education-outreachstudy-to-begin-in-hidalgo-county>
- 2014 **The Monitor McAllen, Texas**, December 1, 2014: http://www.themonitor.com/opinion/article_993bb164-799711e4-92df-4ff3fabb9868.html), Studying RGV asthma rates. Detailed A&M Analysis of air quality.
- 2014 **The Monitor McAllen, Texas**. March 24, 2014: http://www.themonitor.com/opinion/columnists/article_8204a9f6-b156-11e3-acb10017a43b2370.html), Reducing kid's asthma in RGV.

AD HOC JOURNAL REVIEW ACTIVITIES

- 2008-Present **Reviewer.** *Journal of Asthma and Allergy Educators*
- 2010-Present **Reviewer.** *Journal of Environmental Research*
- 2010-Present **Reviewer.** *Pediatric Allergy, Immunology, and Pulmonology.*
- 2015-Present **Reviewer.** *Pan American Health Organization*
- 2012-Present **Reviewer.** *Journal of School Health.*
- 2011-Present **Reviewer.** *The Journal of Rural Health.*
- 2011-Present **Reviewer.** *Chest.*
- 2005-Present **Reviewer.** *Frontiers.*
- 2010-Present **Reviewer.** *BMC Pediatrics.*
- 2010-Present **Reviewer.** *Environment International*
- 2010-2018 **Reviewer.** *BMC Public Health*
- 2010-Present **Reviewer.** *Health Education Research*
- 2009-Present **Reviewer.** *Journal of Public Health Management and Practice*
- 2009-Present **Reviewer.** *American Journal of Public Health.*
- 2009-Present **Reviewer.** *Health Education and Behavior.*
- 2009-Present **Reviewer.** *Perspectives in Public Health.*
- 2009-Present **Reviewer.** *International Journal of Chronic Obstructive Pulmonary Disease.*
- 2008-2017 **Reviewer.** *Environmental Research.*

GRANT REVIEW ACTIVITIES

- Reviewer.** *PAR-16-405- NHLBI Single- Site Clinical Trial Applications Review Panel. National Institutes of Health, 2019.*
- Reviewer.** *TAMU-X Grants, 2018*
- Reviewer.** *TAMU-Conacyt, 2018.*
- Reviewer.** *US-Mexico Border/ EPA, Region 6, Dallas, TX., 2018*
- Reviewer.** *NIH Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP), October 10-11th, 2017*

Reviewer. *NIH/SREA reviewer for a CSR study section, National Institutes of Health.*

Reviewer. *NIH Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP), National Institutes of Health.*

Reviewer. *NIH Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP), October 10-11th, 2017.*

Reviewer. *NIH/SREA reviewer for a CSR study section, National Institutes of Health., 2016*

Reviewer. *NIH Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP), National Institutes of Health. 2016*

Reviewer. *National Association of Professional Women. AAUW Educational Foundation Career Development Grants Selection Panel, December 2008 to 2010*

Reviewer. *Southwest Center for Pediatric Environmental Health. The University of Texas, Tyler, TX, 2013-2020.*

Reviewer. *TAMU-X Grants, 2018.*

Reviewer. *TAMU-Conacy, 2018t.*

CONFERENCE ABSTRACT REVIEW ACTIVITIES

2008-Present **Abstract Reviewer.** American Public Health Association Annual Conference, Latino Caucus Section, and the Environmental Health Section.

CONFERENCE ORGANIZING ACTIVITIES

Session Chair. Asthma Triggers in Homes and Schools: What every practitioner needs to know. Weslaco, TX. June, 2013.

Session Chair. An educational asthma event, “*Helping kids take action against asthma,*” for RRT’s, RN’s, PA’s, School Nurses. McAllen, Texas, June 15, 2019.

Collaborator. International Symposium of Water. Impact of Water on Insecurity and Gastrointestinal diseases” October 18, held in Torreon, Coahuila. School of Medicine, Universidad Autónoma de Torreon, MX., 2018

Session Chair. Asthma Triggers in Homes and Schools: What every practitioner needs to know. Weslaco, TX. June, 2011

PROFESSIONAL DEVELOPMENT, ADVANCED TRAINING & CERTIFICATIONS

2021 **Learning Experience Design (LXD) Workshop,** Center for Teaching Excellence, Dean of Faculties, Texas A&M Spring 2021

2021 **Design for Transformative Learning,** Center for Teaching Excellence, Dean of Faculties, Texas A&M Spring 2021

- 2020 **Post-Tenure Pathfinders**, National Center for Faculty Development and Diversity. Dean of Faculties, Texas A&M Spring 2020
- 2019 **Faculty Success Program**, National Center for Faculty Development and Diversity. Dean of Faculties, Texas A&M Spring 2019
- 2018 **NIH and NSF Grant Proposal Writing Program**. Professional Development. Office of the Vice President for Research, Texas A&M University. November 13, 2018
- 2017 **Online Teaching Certificate**. Institutional Certificate program, Texas A&M University. December.
- 2016 **Leaders Across Borders Certificate**. Instituto Tecnológico de Monterrey, Mexico in collaboration with the U.S.-Mexico Border Health Commission.
- 2014 **Leadership Certification** by the Leadership Institute. Human Resources & Organizational Development. Texas A&M University. November 13, 2014.
- 2013 **Evidence-Based Public Health Course: A Course in Chronic Disease Prevention**. July 22-25, 2013. National Association of Chronic Disease Directors, Prevention Research Center in St. Louis and Texas Department of State and Health Services.

Extracurricular Activities

- 2005 First-degree Black Belt Taekwondo degree. Academy of Modern Martial Arts, College Station, Texas.