

CURRICULUM VITAE

JENIL PATEL, M.B.B.S., M.P.H., Ph.D.

The University of Texas Health Science Center at Houston (UTHealth Houston) School of Public Health
Southwest Center for Occupational and Environmental Health
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CURRENT APPOINTMENT

Assistant Professor (2021 – Present)

Department of Epidemiology & Department of Environmental and Occupational Health Sciences
UTHealth Houston School of Public Health, Dallas, Texas

Director (2022 – Present)

Occupational Epidemiology Doctoral Training Program
Pilot Projects Research Training Program
Southwest Center for Occupational and Environmental Health
UTHealth Houston School of Public Health, Houston, Texas

Center Affiliation (2021 – Present)

Southwest Center for Occupational and Environmental Health

A. BACKGROUND

A.1. EDUCATION

2014-2018	Ph.D. in Epidemiology (Delta Omega Honors) Minor in Biostatistics Breadth: <i>Research Methods & Practices in Occupational Health</i> University of Texas School of Public Health, Houston, Texas
2011-2013	Master of Public Health Major in Health Education Western Kentucky University, Bowling Green, Kentucky
2005-2011	M.B.B.S. (U.S. M.D. equivalent - Bachelor of Medicine and Surgery) Smt. B.K. Shah Medical Institute & Research Centre Gujarat University, Gujarat, India

A.2. POST-GRADUATE TRAINING

2018-2021	Postdoctoral Research Fellow Department of Epidemiology Arkansas Center for Birth Defects Research and Prevention Fay W. Boozman College of Public Health University of Arkansas for Medical Sciences, Little Rock, Arkansas
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A.2. AWARDS AND HONORS

2026-Present	Health Education Faculty Fellowship Program (HEFP) Scholar, UTHealth Houston
2020	Society for Epidemiological Research-SPC Travel Award
2019	Scholar, Health Equity Leadership Institute, The University of Wisconsin-Madison School of Medicine and Public Health & The University of Maryland School of Public Health
2018	Delta Omega Honorary Society in Public Health
2016	Dean's Excellence Scholarship, University of Texas School of Public Health
2015	Dean's Excellence Scholarship, University of Texas School of Public Health
2014	Dean's Excellence Scholarship, University of Texas School of Public Health
2013	New Outstanding Doctoral Student Scholarship – UT School of Public Health
2013	Dean's Excellence Scholarship, University of Texas School of Public Health
2013	Kentucky Public Health Association – WKU Student Chapter Officer Appreciation Honor
2011	Academic Excellence in Public Health Education, College of Health and Human Services, Western Kentucky University

A.3. PROFESSIONAL EXPERIENCE

02/2021-present	<i>Assistant Professor (Tenure track)</i> Department of Epidemiology, Human Genetics & Environmental Sciences School of Public Health The University of Texas Health Science Center at Houston (UTHealth) Dallas, Texas <i>Director and Faculty</i> Pilot Projects Research Training Program Occupational Epidemiology Doctoral Research Training Program Southwest Center for Occupational and Environmental Health The University of Texas Health Science Center at Houston (UTHealth), Houston, Texas
10/2018-01/2021	<i>Postdoctoral Research Fellow – Perinatal and Birth Defects Epidemiology</i> Arkansas Center for Birth Defects Research and Prevention Fay W. Boozman College of Public Health University of Arkansas for Medical Sciences Little Rock, Arkansas Research Supervisor: Dr. Wendy Nembhard. MPH, PhD, FACE, <i>Center Director and Department Chair</i> Projects: Birth defects research including designing and implementing studies at Arkansas (AR) center using National Birth Defects Prevention Study (NBPDS)/ Birth Defects Study to Evaluate Pregnancy Exposures (BD-STEPS) data with collaborations at Centers for Disease Control and Prevention (CDC), other

NBDPS centers nationwide (NY, NJ, TX, NC, UT, IA, GA, CA), Arkansas
Department of Health, Arkansas Reproductive Health Monitoring System

Postdoctoral Research Fellow – Epidemiology

UAMS College of Public Health COVID-19 Response
Fay W. Boozman College of Public Health
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Project Supervisor: Mark L. Williams, PhD, *Dean* & Benjamin C. Amick, PhD,
Associate Dean of Research

Projects: COVID-19 biweekly projections and forecasts, Arkansas pandemic
pulse poll

05/2015-08/2018

Graduate Research Assistant

Southwest Center for Occupational and Environmental Health
University of Texas School of Public Health
Houston, Texas
Research Supervisor: Dr. George L. Delclos, MD, MPH, PhD
Project: Work-Related Asthma in Texas Healthcare Workers (R01)

01/2015-08/2015

Graduate Teaching Associate

University of Texas School of Public Health
Houston, Texas
Course taught: PH 9995-500/600/700 Capstone course (Lead instructor)

09/2013-12/2014

Graduate Teaching Assistant

University of Texas School of Public Health
Houston, Texas
Course: PH 9995-500/600/700 Capstone course

05/2013—7/2013

Health Education and Promotion Specialist Intern

WKU Health Services
Western Kentucky University
Bowling Green, Kentucky

01/2012-08/2013

Graduate Assistant

WKU Interactive Video Services
Western Kentucky University
Bowling Green, Kentucky

03/2011-06/2011

Chief Medical Officer

Ravi Surgical Hospital
Ahmedabad, Gujarat, India

03/2010-02/2011

Intern (Medicine and Surgery)

Smt. B.K. Shah Medical Institute & Research Centre

Gujarat University
Vadodara, Gujarat, India

B. RESEARCH

Research Areas

Primary interests: Pediatric and perinatal/birth defects epidemiology, occupational health

Research areas: Chronic diseases, infectious diseases, health disparities, global health

Research Focus: My research focuses on birth defects epidemiology, maternal and child health, and occupational and environmental epidemiology. Using population-based surveillance systems and administrative databases, I conduct independent and collaborative research to investigate risk factors and long-term outcomes associated with congenital anomalies and related adverse pregnancy outcomes, with the goal of informing prevention strategies and improving health outcomes.

B.1. PEER-REVIEWED PUBLICATIONS

First Author/Co-first Author/Corresponding Author

* Student Authored

1. Famuyide L, **Patel J (co-first)**, Nembhard WN. County-Level Environmental Quality and Risk of Hypospadias in Arkansas. *Birth Defects Research*. 2026 Feb;118(2):e70022.
2. **Patel J**, Weber K, Upadhyay R, Nembhard WN. Environmental Contaminants and Congenital Heart Defects: Focus on PFAS, PAHs, and Other Emerging Exposures. *Clinical Chemistry*. 2026 Jan;72(1):133-9.
3. **Patel J**, Oluwafemi O, Tang T, Sunny A, Parmar N, Doshi H, Bhatt P, Donda K, Messiah SE, Dapaah-Siakwan F. Trends in the Mortality and Death of Periviable Preterm Infants in the United States, 2011 to 2020. *Am J Perinatol*. 2024 Nov 12. doi: 10.1055/a-2435-0908. Epub ahead of print. PMID: 39532113.
4. **Patel J**, Oluwafemi OO, Politis MD, Nembhard WN. The Association Between Dietary Supplement Use and COVID-19 Symptoms. *Journal of Dietary Supplements*. 2025 Jan 4:1-2.
5. Oluwafemi O, Manoharan S, Xie L, Pro G, Patel RS, Delclos GL, Gelfand A, Messiah SE, Lopez DS, **Patel J**. Assessing the Role of Asthma on the Relationship between Neurodevelopmental Disabilities and Adverse Birth Outcomes. *Pediatric Neurology*. 2024 May 3.*
6. **Patel J**, Politis MD, Howley MM, Browne ML, Bolin EH, Ailes EC, Johnson CY, Magann E, Nembhard WN, National Birth Defects Prevention Study. Fever and antibiotic use in maternal urinary tract infections during pregnancy and risk of congenital heart defects: Findings from the National Birth Defects Prevention Study. *Birth Defects Research*. 2024 Jan;116(1):e2281.
7. **Patel J**, Gimeno Ruiz de Porras D, Mitchell LE, Carson A, Whitehead LW, Han I, Pompeii L, Conway S, Zock JP, Henneberger PK, Patel R, De Los Reyes J, Delclos GL. Cleaning Tasks and

- Products and Asthma Among Healthcare Professionals. *J Occup Environ Med*. 2023 Oct 6. doi: 10.1097/JOM.0000000000002990. Epub ahead of print. PMID: 37801602.
8. **Patel JR**, Amick BC, Vyas KS, Bircan E, Boothe D, Nembhard WN. Gender Disparities in Symptomology of COVID-19 among Adults in Arkansas. *Preventive Medicine Reports*. 2023 Jun 23:102290.
 9. **Patel JR**, Brown CC, Prewitt TE, Alfaneek Z, Stewart MK. Social determinants of health and COVID-19: An evaluation of racial and ethnic disparities in attitudes, practices, and mental health. *PLOS Global Public Health*. 2023 Jan 23;3(1):e0000558.
 10. **Patel JR**, Amick BC, Vyas KS, Bircan E, Boothe D, Nembhard WN. Racial disparities in symptomatology and outcomes of COVID-19 among adults of Arkansas. *Preventive Medicine Reports*. 2022 May 24:101840.
 11. **Patel J**, Schraw JM, Lupo PJ, Mian A, Nembhard WN. Cancer Risk by Attained Age among Children with Birth Defects in Arkansas. *Cancer Epidemiol*. 2020 Oct; 68:101796. PMID: 32827802.
 12. **Patel JR**, Gimeno DG, Mitchell LE, Patel R, De Los Reyes J, Delclos GL (2020) *Work-Related Asthma among Certified Nurse Aides in Texas Workplace Health and Safety*, May 2020
 13. Henneberger PK, **Patel JR (Joint first author)**, de Groene GJ, Beach J, Tarlo SM, Pal TM, Curti S. The effectiveness of removal from exposure and reduction of exposure for managing occupational asthma: Summary of an updated Cochrane systematic review. *American journal of industrial medicine*. 2020 Dec, <https://doi.org/10.1002/ajim.23208>
 14. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and The National Birth Defects Prevention Study *Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and Congenital Heart Defects in Offspring* Submitted to *Environmental Research*, April 2020
 15. Oluwafemi OO, Agopian AJ, Benjamin RH, de Porras DG, Shumate CJ, **Patel JR**. Demographic differences and potential bias from automated occupation coding among mothers of babies born with or without cleft lip and/or cleft palate in the Texas Birth Defects Registry. *Journal of Occupational and Environmental Medicine*. 66(10):p 839-847, October 2024.*

Co-Authored

1. Mian RK, Hamad Y, Xie L, Ernest DK, Neti SS, DeSantis SM, **Patel J**, Almandoz JP, Su J, Messiah SE. Association of urinary phthalate and plasticizer metabolite levels and metabolic syndrome: A cross-sectional study of United States adolescents and young adults. *Progress in Pediatric Cardiology*. 2026 May 4:101935.*
2. Bergqvist E, Valerio-Shewmaker M, Swartz M, **Patel J**, Padilla L, Amavisca XF, Gandhi H, Messiah SE. Association of race, ethnicity, and pediatric long COVID and MIS-C: a systematic review and meta-analysis. *BMC Infectious Diseases*. 2026 Apr 29.*

3. Sheriff FR, Benjamin RH, Xiao Q, **Patel J**, Shumate C, Fernandez A, Agopian AJ. Neighbourhood Social Vulnerability and Preterm Birth Risk Among Infants With Trisomy 21: A Statewide Analysis. *Paediatric and Perinatal Epidemiology*. 2026 Apr 24.*
4. Oluwafemi OO, Mitchell LE, **Patel JR**, Nembhard WN, Shaw GM, Olshan AF, Chen H, Agopian AJ. The association between paternal race and ethnicity and a spectrum of birth defects in a national case-control study. *Annals of Epidemiology*. 2026 Jan 7.*
5. Sheriff FR, Benjamin RH, **Patel J**, Xiao Q, Shumate C, Fernandez A, Agopian AJ. Epidemiologic Features of Preterm Birth Among Infants With Trisomy 21 in Texas, 1999–2018. *American Journal of Medical Genetics Part A*. 2025 Aug 25:e64229.*
6. **GBD 2019 Acute and Chronic Care Collaborators**. Characterising acute and chronic care needs: insights from the Global Burden of Disease Study 2019. *Nature communications* 16, no. 1 (2025): 4235.
7. Ernest DK, Collier A, Chandrasekhar A, Xie L, Darraji S, **Patel J**, Almandoz JP, Messiah SE. Association of Polycystic Ovarian Syndrome Features and Metabolic Syndrome Among Reproductive-Aged Women in the United States. *Women's Health Reports*. 2025 Apr 1;6(1):431-41.*
8. Zhao Y, **Patel J**, Fan J, Wang X, Chen L, Li Y, Luo Z. Integrated analysis reveals that EGR1 promotes epithelial IL33 production in T2 asthma. *Journal of Translational Medicine*. 2025 Feb 18;23(1):203.
9. Villamil, V.I., Downing, K.F., Oster, M.E., Andrews, J.G., Galindo, M.K., **Patel, J.**, Klewer, S.E., Nembhard, W.N. and Farr, S.L., 2025. Comorbidities and Healthcare Utilization Among Young Adults With Congenital Heart Defects by Down Syndrome Status—Congenital Heart Survey to Recognize Outcomes, Needs, and wellbeinG, 2016–2019. *Birth Defects Research*, 117(2), p.e2439.
10. de Porras DG, **Patel J**, Conway S, Pompeii L, Mitchell LE, Carson A, Whitehead LW, Han I, Zock JP, Henneberger PK, Patel R. A Qualitative Assessment of Changes in Occupational Exposures Among Healthcare Facility Workers. *Workplace health & safety*. 2024 Oct 23;73(2):53.
11. **GBD 2021 Demographics Collaborators**. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024 May 18;403(10440):1989-2056.
12. Xie L, Chandrasekhar A, Ernest D, **Patel J**, Afolabi F, Almandoz JP, Martinez Fernandez T, Gelfand A, Messiah SE. Association between asthma, obesity, and metabolic syndrome in adolescents and young adults. *Journal of Asthma*. 2024 Apr 2;61(4):368-76.
13. Ong KL, Stafford LK, McLaughlin SA, Boyko EJ, Vollset SE, Smith AE, Dalton BE, Duprey J, Cruz JA, Hagins H, Lindstedt PA and **GBD 2021 Diabetes Collaborators** Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2023 Jun 22.

14. Zhao Y, **Patel J**, Xu X, Zhang G, Li Q, Yi L, Luo Z. Development and validation of a prediction model to predict school-age asthma in preschool children. *Pediatric Pulmonology*. 2023 Jan 25.
15. Bhatt P, Ampem-Darko C, Cudjoe GA, Parmar N, Oredein I, Asiamah AO, **Patel J**, Pemmasani S, Linga VG, Donda K, Doshi H, Dapaah-Siakwan F. Association between Neonatal Abstinence Syndrome and Congenital Anomalies in the United States. *Am J Perinatol*. 2022 Dec 26. doi: 10.1055/s-0042-1759864. Epub ahead of print. PMID: 36572036.
16. Howley, M. M., Fisher, S. C., Van Zutphen, A. R., Papadopoulos, E. A., **Patel, J.**, Lin, A. E., ... & National Birth Defects Prevention Study. Maternal exposure to heparin products and risk of birth defects in the National Birth Defects Prevention Study. *Birth Defects Research*. August 14, 2022. <https://doi.org/10.1002/bdr2.2074>
17. Richard, M. A., **Patel, J.** (co-first), Benjamin, R. H., Bircan, E., Canon, S. J., Marengo, L. K., ... & Nembhard, W. N. (2022). Prevalence and Clustering of Congenital Heart Defects Among Boys With Hypospadias. *JAMA network open*, 5(7), e2224152-e2224152. 2022 July
18. Pro G, Brown C, Rojo M, **Patel J**, Flax C, Haynes T. Downward National Trends in Mental Health Treatment Offered in Spanish: State Differences by Proportion of Hispanic Residents. *Psychiatric Services*. 2022 May 3:appi-ps.
19. Kocarnik, Jonathan M., Kelly Compton, Frances E. Dean, Weijia Fu, Brian L. Gaw, James D. Harvey, Hannah Jacqueline Henrikson **et al.** "Cancer incidence, mortality, years of life lost, years lived with disability, and disability-adjusted life years for 29 cancer groups from 2010 to 2019: a systematic analysis for the Global Burden of Disease Study 2019." *JAMA oncology* 8, no. 3 (2022): 420-444.
20. Hsu PC, Maity S, **Patel J**, Lupo PJ, Nembhard WN. Metabolomics Signatures and Subsequent Maternal Health among Mothers with a Congenital Heart Defect-Affected Pregnancy. *Metabolites*. 2022 Feb;12(2):100.
21. Alvarez EM and **GBD 2019 Adolescent Young Adult Cancer Collaborators**. The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Oncology*. 2021 Dec 3.
22. Patel RS, Veluri N, **Patel J**, Patel R, Machado T, Diler R. Second-Generation Antipsychotics in Management of Acute Pediatric Bipolar Depression: A Systematic Review and Meta-analysis. *Journal of Child and Adolescent Psychopharmacology*. 2021 Oct 1;31(8):521-30.
23. Bryant K, Pro G, Rojo M, **Patel J**, Haynes T, McElfish P, Sepulveda M, Hart C. Identifying community needs of the Hispanic faith community to develop a research agenda. *Public Health Nursing*. 2021 Sep 21.
24. Wen S, Prasad A, Freeland K, Podury S, **Patel J**, Subedi R, Khan E, Tandon M, Kataria S, Kimble W, Sriwastava S. Clinical Characteristics and Outcomes of COVID-19 in West Virginia. *Viruses*. 2021 May;13(5):835.

25. Zhao Y, Yin L, **Patel J**, Tang L, Huang Y. The inflammatory markers of Multisystem Inflammatory Syndrome in children (MIS-C) and adolescents associated with COVID-19: A Meta-analysis. *Journal of Medical Virology*. 2021 Mar 19.
26. Chowdhary A, Subedi R, Tandon M, Wen S, **Patel J**, Kataria S, Peterson S, Gwinn R, Elkhooly M, Prasad A, Nirwan L. Relevance and Clinical Significance of Magnetic Resonance Imaging of Neurological Manifestations in COVID-19: A Systematic Review of Case Reports and Case Series. *Brain Sciences*. 2020 Dec;10(12):1017.
27. Sriwastava S, Kataria S, Tandon M, **Patel J**, Patel R, Jowkar A, Daimee M, Bernitsas E, Jaiswal P, Lisak RP. Guillain Barré Syndrome and its variants as a manifestation of COVID-19: A systematic review of case reports and case series. *Journal of the Neurological Sciences*.;420:117263.
28. Tandon M, Kataria S, **Patel J**, Mehta TR, Daimee M, Patel V, Prasad A, Chowdhary AA, Jaiswal S, Sriwastava S. A Comprehensive Systematic Review of CSF analysis that defines Neurological Manifestations of COVID-19. *International Journal of Infectious Diseases*. 2021 Jan 9.
29. Wang H, Abbas KM, Abbasifard M, Abbasi-Kangevari M, Abbastabar H, Abd-Allah F, Abdelalim A, Abolhassani H, Abreu LG, Abrigo MR, Abushouk AI. et al (**GBD 2019 Demographics Collaborators**) Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2020 Oct 17;396(10258):1160-203.
30. Murray CJ, Abbafati C, Abbas KM, Abbasi M, Abbasi-Kangevari M, Abd-Allah F, Abdollahi M, Abedi P, Abedi A, Abolhassani H, Aboyans V. Five insights from the global burden of disease study 2019. **GBD Viewpoint Collaborators**. *The Lancet*. 2020 Oct 17;396(10258):1135-59.
31. Patel, R. S., Manocha, P., **Patel, J.**, Patel, R., & Tankersley, W. E. (2019). Cannabis Use Is an Independent Predictor for Acute Myocardial Infarction Related Hospitalization in Younger Population. *Journal of Adolescent Health*.
32. Madireddy, S., Patel, R.S., Ravat, V., Ajibawo, T., Lal, A., **Patel, J.**, Patel, R. and Goyal, H., 2019. Burden of Comorbidities in Hospitalizations for Cannabis Use-associated Intractable Vomiting during Post-legalization Period. *Cureus*, 11(8).
33. Henneberger, P. K., **Patel, J. R.**, de Groene, G. J., Beach, J., Tarlo, S. M., Pal, T. M., & Curti, S. (2019). Workplace interventions for treatment of occupational asthma. *Cochrane Database of Systematic Reviews*, (10).
34. Patel R S, Katta S, Patel R, Ravat V, Gudipalli R, Patel V, **Patel J**. (2018) Cannabis Use Disorder in Young Adults with Acute Myocardial Infarction: Trend Inpatient Study from 2010 to 2014 in the United States. *Cureus* 10(8): e3241. doi:10.7759/cureus.3241
35. Tarlo, S. M., Arif, A. A., Delclos, G. L., Henneberger, P., & **Patel, J**. (2017) Opportunities and obstacles in translating evidence to policy in occupational asthma. *Annals of Epidemiology*. doi:10.1016/j.annepidem.2017.03.002

36. Sinha AK, **Patel JR**, Shen Y, Ueno NT, Giordano SH, Tripathy D, et al. (2017) Location of Receipt of Initial Treatment and Outcomes in Long- Term Breast Cancer Survivors. PLoS ONE 12(1): e0170081.doi:10.1371/journal .pone.0170081
37. Yucel, A., **Patel, J.** and Pise, M. N. (2015), Effect of long-acting versus short-acting stimulants for the treatment of Attention Deficit Hyperactivity Disorder (ADHD) on emergency room visits using Medical Expenditure Panel Survey (MEPS) data. Journal of Pharmaceutical Health Services Research, 6: 43–46. doi: 10.1111/jphs.12083

B. 2. BOOK CHAPTERS

1. Patel R, **Patel J.** Immunosuppressive and immunomodulatory therapies. In Targeted Therapy for the Central Nervous System 2025 Jan 1 (pp. 285-300). Academic Press.

B. 3. REPORTS

1. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Alfaneek Z, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – January 22, 2021 UAMS Fay W Boozman College of Public Health 2021 [January 20, 2021]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2021/01/UAMS-COPH-COVID-Report-22Jan2021.pdf>
2. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Alfaneek Z, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – January 8, 2021 UAMS Fay W Boozman College of Public Health 2021 [January 8, 2021]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2021/01/COPH-COVID-REPORT-8jan2021-4.pdf>
3. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments - Dec 8, 2020 UAMS Fay W Boozman College of Public Health 2020 [December 18, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/12/COPH-COVID-Report-Dec-18-2020.pdf>.
4. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments - Dec 4, 2020 UAMS Fay W Boozman College of Public Health 2020 [December 4, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/12/COPH-COVID-Report-4dec2020.pdf>
5. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Nov 20, 2020 UAMS Fay W Boozman College of Public Health 2020 [November 20, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/11/UAMS-COPH-COVID-Report-20nov2020-FINAL.pdf>
6. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Nov 6, 2020 UAMS Fay W Boozman College of Public Health 2020 [November 6, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/11/COPH-COVID-Report-Nov-5-final.pdf>
7. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Hudson T, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Oct 23, 2020 UAMS Fay W Boozman

- College of Public Health 2020 [October 23, 2020]. Available from: https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/10/UAMS-COPH-COVID_19-COPH-23oct2020-FINAL.pdf
8. Browne C, Young SG, Tilford M, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Oct 9, 2020 UAMS Fay W Boozman College of Public Health 2020 [October 9, 2020]. Available from: https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/10/UAMS-COPH-COVID_19-Oct-9-FINAL.pdf
 9. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Tottori B, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Sept 23, 2020 UAMS Fay W Boozman College of Public Health 2020 [September 23, 2020]. Available from: https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/09/UAMS-COPH-COVID_19-Sept23-Final.pdf
 10. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Tottori B, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Sept 9, 2020 UAMS Fay W Boozman College of Public Health 2020 [September 9, 2020]. Available from: https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/09/UAMS-COPH-COVID_19-Sept11-Final.pdf
 11. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Tottori B, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Sept 1, 2020 UAMS Fay W Boozman College of Public Health 2020 [September 1, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/09/UAMS-COPH-COVID-report-27aug2020-6.pdf>
 12. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Tottori B, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Aug 14, 2020 UAMS Fay W Boozman College of Public Health 2020 [August 14, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/08/UAMS-COPH-COVID-report-14aug2020.pdf>
 13. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Jul 30, 2020 UAMS Fay W Boozman College of Public Health 2020 [July 30, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/08/COPH-COVID-Report-July-30.pdf>
 14. Browne C, Young SG, Tilford M, Fischbach L, **Patel J**, Maity S, Datta J, Amick BC, Williams ML. COVID-19 Forecasts, Projections, and Impact Assessments – Jul 17, 2020 UAMS Fay W Boozman College of Public Health 2020 [July 17, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/07/July-17-report-Final.pdf>
 15. Young SG, Datta J, Cothren J, Williamson M, Song G, Gibson K, Brown C, Villafranca AA, Sexton K, Tilford M, **Patel J**, Maity S, Fischbach L, Amick BC, Williams ML. Summary of Covid-19 Forecasting Models – July 3, 2020 UAMS Fay W Boozman College of Public Health 2020 [July 3, 2020]. Available from: <https://publichealth.uams.edu/wp-content/uploads/sites/3/2020/07/COPH-COVID-Report-3july2020.pdf>

B. 4. PRESENTATIONS & ABSTRACTS

1. **Patel J**, Manoharan S, Attada D, Agopian A, Oluwafemi O. Abstract TU149: Indoor Environmental Exposures and Pediatric Heart Conditions in US. *Circulation*. 2026 Mar 24;153(Suppl_1):ATU149-.
2. Attada D, Manoharan S, Velagapudi P, Dodani J, Tyagi A, **Patel J**. Abstract TU130: Food Insecurity and Pediatric Heart Health in US. *Circulation*. 2026 Mar 24;153(Suppl_1):ATU130-.
3. **Patel J**, Manoharan S, Attada D, Agopian A, Oluwafemi O. Abstract TU149: Indoor Environmental Exposures and Pediatric Heart Conditions in US. *AHA EpiLifestyle 2026*, Boston, MA, July 13-16, 2026. Poster Presentation
4. Attada D, Manoharan S, Velagapudi P, Dodani J, Tyagi A, **Patel J**. Abstract TU130: Food Insecurity and Pediatric Heart Health in US. *AHA EpiLifestyle 2026*, Boston, MA, July 13-16, 2026. Poster Presentation
5. Ludorf KL, Benjamin RH, Allred RP, **Patel JR**, Nembhard WN, Shaw GM, Carmichael SL, Desrosiers TA, Nestoridi E, Williford EM, Swartz MD. Building Predictive Models for Preterm Birth Among Infants with Congenital Limb Defects. In *BIRTH DEFECTS RESEARCH* 2025 May 1 (Vol. 117, pp. S48-S48). Abstract
6. Han P, Benjamin RH, Ludorf KL, Allred RP, **Patel JR**, Nembhard WN, Shaw GM, Carmichael SL, Desrosiers TA, Nestoridi E, Williford EM. Maternal Smoking and Preterm Birth Among Infants with Orofacial Clefts. In *BIRTH DEFECTS RESEARCH* 2025 May 1 (Vol. 117, pp. S60-S60). Abstract
7. Oluwafemi OO, Mitchell LE, **Patel JR**, Nembhard WN, Reefhuis J, Chowdhury J, Shaw GM, Olshan A, Agopian AJ. Paternal Race and Ethnicity and Major Birth Defects in a National Case-Control Study, 1997-2011. In *BIRTH DEFECTS RESEARCH* 2025 May 1 (Vol. 117, pp. S61-S61). Abstract
8. **Patel JR**, Maity S, Weber K, Lou X, Petersen J, Nestoridi E, Yazdy M, Browne M, Botto L, Finnell RH, Lei Y. Genetic and Environmental Factors as Predictors of Nonsyndromic Congenital Heart Defects Using Machine Learning Techniques. In *BIRTH DEFECTS RESEARCH* 2025 May 1 (Vol. 117, pp. S76-S77). Abstract
9. **Patel J**, Maity S, Weber K, Lou X, Petersen J, Nestoridi E, Yazdy M, Browne M, Botto L, Finnell R, Lei Y, Olshan A, Romitti P, Shaw G, Jenkins M, Almli L, Nembhard WN. Genetic and Environmental Factors as Predictors of Non-syndromic Congenital Heart Defects Using Machine Learning Techniques. *Society for Birth Defects Research and Prevention 2025 (BDRP) 65th Annual Meeting*, Denver CO, June 28-July 2, 2025. Poster Presentation
10. Ludorf KL, Benjamin RH, Allred RP, **Patel JR**, Nembhard WN, Shaw GM, Carmichael SL, Desrosiers TA, Nestoridi E, Williford EM, Swartz MD. Building Predictive Models for Preterm Birth Among Infants with Congenital Limb Defects. *Society for Birth Defects Research and Prevention 2025 (BDRP) 65th Annual Meeting*, Denver CO, June 28-July 2, 2025. Poster Presentation
11. Han P, Benjamin RH, Ludorf KL, Allred RP, **Patel JR**, Nembhard WN, Shaw GM, Carmichael SL, Desrosiers TA, Nestoridi E, Williford EM. Maternal Smoking and Preterm Birth Among Infants with Orofacial Clefts. *Society for Birth Defects Research and Prevention 2025 (BDRP) 65th Annual Meeting*, Denver CO, June 28-July 2, 2025. Poster Presentation
12. Oluwafemi OO, Mitchell LE, **Patel JR**, Nembhard WN, Reefhuis J, Chowdhury J, Shaw GM, Olshan A, Agopian AJ. Paternal Race and Ethnicity and Major Birth Defects in a National Case-Control

- Study, 1997-2011. Society for Birth Defects Research and Prevention 2025 (BDRP) 65th Annual Meeting, Denver CO, June 28-July 2, 2025. Poster Presentation
13. **Patel JR**, Politis MD, Bolin EH, Famuyide L, Nembhard WN Racial and Ethnic Disparities in Mortality among Children with Congenital Heart Defects: A Scoping Review. Society for Epidemiological Research 2025, Boston June 10-13, 2025. Poster Presentation
 14. **Patel JR**, Politis MD, Bolin EH, Famuyide L, Nembhard WN Racial and Ethnic Disparities in Mortality among Children with Congenital Heart Defects: A Scoping Review. Society for Perinatal Epidemiological Research 2025, Boston June 9-10, 2025. Poster Presentation
 15. Holdiman, A., Ruleman, A., **Patel, J.**, Mantey, D. (2025). Opioid Route of Administration and Employment: Effects on Polysubstance Use Among Females and Implications for Harm Reduction. The Harm Reduction International Conference 2025, Bogotá, Colombia, 27-30 April 2025. Poster Presentation
 16. Rathod AB, Elmir Digbeu BD, **Patel JR**, Lopez DS. Association of weight loss promoting medications with male breast cancer incidence, tumor grade, and stage: a SEER-Medicare nested case-control study. Cancer Research. AACR Annual Meeting 2025, Chicago, IL April 25-30. Poster Presentation
 17. Rathod AB, Elmir Digbeu BD, **Patel JR**, Lopez DS. Association of weight loss promoting medications with male breast cancer incidence, tumor grade, and stage: a SEER-Medicare nested case-control study. Cancer Research. 2025 Apr 21;85(8_Supplement_1):7380-.
 18. **Patel J**, Shah D, Holdiman A, Manoharan S, Nembhard W, Patel R, Messiah S. Abstract P1053: Impact of Adversity and Birth Outcomes on the Prevalence of Heart-Related Conditions in Children. Circulation. 2025 Mar 11;151(Suppl_1). Abstract
 19. Holdiman, A., Ruleman, A., **Patel, J.**, & Mantey, D. (2025). The Impact of Opioid Route of Administration on Polysubstance Use Among Females. Collaborative Perspectives on Addiction Conference, Providence, Rhode Island. April 3 - 5 2025. Presentation
 20. **Patel J**, Richard MA, Benjamin RH, Bircan E, Canon SJ, Marengo LK, Canfield MA, Agopian AJ, Lupo PJ, Nembhard WN. (2023) Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias. Research Beyond Boundaries 2025, UTHealth Houston School of Public Health, Dallas, TX, March 14th, 2025. Poster Presentation
 21. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. Research Beyond Boundaries 2025, UTHealth Houston School of Public Health, Dallas, TX, March 14th, 2025. Poster Presentation
 22. Shah D, Manoharan S, Knell G, Holdiman A, Patel R, Luyu X, Messiah SE, Nembhard WN, **Patel J**. Influence of adverse birth outcomes on physical activity in childhood. Research Beyond Boundaries 2025, UTHealth Houston School of Public Health, Dallas, TX, March 14th, 2025. Poster Presentation
 23. Shah D, Holdiman A, Manoharan S, Nembhard WN, Patel R, **Patel J**. Influence of Adverse Childhood Experiences and Birth Outcomes on Heart-related Conditions in Children. Research

- Beyond Boundaries 2025, UTHealth Houston School of Public Health, Dallas, TX, March 14th, 2025. Poster Presentation
24. Patel J, Shah D, Holdiman A, Manoharan S, Nembhard WN, Patel R. Influence of Adverse Childhood Experiences and Birth Outcomes on Heart-related Conditions in Children. AHA EpiLifestyle 2025, New Orleans, LA, March 6-9, 2025. Poster Presentation
 25. Famuyide L, **Patel J**, and Nembhard WN. (2025). County-level Environmental Quality and Risk of Hypospadias in Arkansas. Arkansas Center for Birth Defects Research and Prevention, UAMS Office of Research Showcase, Little Rock, AR, Feb 5, 2025. Poster Presentation
 26. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. Arkansas Center for Birth Defects Research and Prevention, UAMS Office of Research Showcase, Little Rock, AR, Feb 5, 2025. Poster Presentation
 27. **Patel J**, Richard MA, Benjamin RH, Bircan E, Canon SJ, Marengo LK, Canfield MA, Agopian AJ, Lupo PJ, Nembhard WN. (2023) Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias. Arkansas Center for Birth Defects Research and Prevention, UAMS Office of Research Showcase, Little Rock, AR, Feb 5, 2025. Poster Presentation
 28. **Patel J**, Maternal Occupations and Occupational Exposures: Impacts on Birth Defects in Epidemiological Research. EOHS Doctoral Seminar Series, UTHealth Houston School of Public Health, Houston, TX. November 8, 2024. Seminar Presentation
 29. Ernest DK, Xie L, **Patel J**, Almandoz JP, Messiah SE. Association Between Plasticizers and Body Composition Among United States Adults, 2011-2018. ObesityWeek (The Obesity Society's annual meeting), San Antonio, TX, November 3-6, 2024. Poster Presentation (Accepted)
 30. Xie L, Ernest DK, **Patel J**, Almandoz JP, Messiah SE. Association Between Plasticizers and the Metabolic Syndrome in United States Adolescents and Young Adults. ObesityWeek, (The Obesity Society's annual meeting), San Antonio, TX, November 3-6, 2024. Oral Presentation (Accepted)
 31. Shah D, Manoharan S, Knell G, Holdiman A, Patel R, Luyu X, Messiah SE, Nembhard WN, Patel J. Influence of adverse birth outcomes on physical activity in childhood. American Public Health Association Conference, Oct 27-30, 2024, Minneapolis. Poster Presentation
 32. Oluwafemi O, Agopian AJ, Benjamin RH, Gimeno D, Shumate C, **Patel J**. Maternal Characteristics by Manual versus Automated Occupation Coding Among Infants with Cleft Lip and/or Palate. 2024 Society for Epidemiologic Research, Austin, June 18-21. Poster Presentation
 33. Famuyide L, **Patel J**, Nembhard WN. County-Level Environmental Quality and Risk of Hypospadias in Arkansas. 2024 Society for Epidemiologic Research, Austin, June 18-21. Poster Presentation
 34. Villamil VL, Downing KF, Andrews JG, Oster ME, Galindo MK, **Patel J**, Nembhard WN, Klewer SE, Farr SL. Comorbidities and Healthcare Utilization Among Young Adults with Congenital Heart Defects by Down Syndrome Status. 2024 Society for Epidemiologic Research, Austin, June 18-21. Poster Presentation

35. **Patel J**, Oluwafemi O, Agopian AJ, Benjamin R, Shumate C, Gimeno D. Abstract P296: The Association Between Maternal Occupation and Adverse Birth Outcomes Among Infants With Congenital Heart Defects. *Circulation*. 2024 Mar 19;149(Suppl_1):AP296-. Abstract
36. **Patel J**, Oluwafemi O, Agopian AJ, Benjamin R, Shumate C, Gimeno D. The Association Between Maternal Occupation and Adverse Birth Outcomes Among Infants With Congenital Heart Defects. *Circulation*. 2024 AHA EpiLifestyle Conference, Chicago, March 18-21. Poster Presentation
37. **Patel J**, Fernandez A, Oluwafemi OO, Bala SA, Holdiman A. Maternal drug use during pregnancy and asthma risk among children. 2023 American Public Health Association, Atlanta, Nov 12-15. Poster Presentation
38. Nembhard WN, **Patel J**, Oluwafemi O, Politis M, Koturbash I. (2023) Dietary Supplement Use and Self-Reported Symptoms among Adults Real-Time Chain Polymerase Reaction (RT-PCR) Tested for Coronavirus 2019 (COVID-19). 35th Annual Conference of the International Society for Environmental Epidemiology, 2023, Taiwan. Sep 17-21. Poster Presentation
39. **Patel J**, Politis MD, Bolin EH, Thomas SL, Nembhard WN. (2023) Racial/Ethnic Disparities in Mortality among Infants with Birth Defects or Neonatal Abstinence Syndrome. 2023 National Birth Defects Prevention Network Conference (NBDPN), Atlanta, GA. August 14-16. Oral Presentation
40. **Patel J**, Oluwafemi O, Manoharan S, Luyu X, Messiah S. (2023) Assessing the role of asthma on the relationship between adverse birth outcomes and neurodevelopmental disabilities. Society for Epidemiologic Research (SER) 2023, Portland, OR. June 13-16. Poster Presentation
41. Allen A, Oluwafemi O, Patel J. (2023) Adverse Birth Outcomes and Cardiometabolic Outcomes Among Multiracial Children In The U.S. Research Beyond Boundaries at UTHealth Houston School of Public Health at Dallas 2023, Dallas, TX. April 20-21. Poster Presentation
42. **Patel J**, Amick BC, Vyas KS, Bircan E, Boothe D, Nembhard WN. (2023 – Abstract selected – No presentation) Racial and gender disparities in self-reported COVID-19 symptoms among adults, Arkansas, 2020. SeroNet Investigators Meeting, Bethesda, MD. March 21-23, 2023. Poster Abstract Selected
43. Allen A, Oluwafemi O, **Patel J**. (2023) Adverse Birth Outcomes And Cardiometabolic Outcomes Among Multiracial Children In The U.S. American Heart Associations Epi Lifestyle Scientific Sessions, 2023, Boston, MA. Feb 28 – Mar 3. Poster Presentation
44. **Patel J**, Richard MA, Benjamin RH, Bircan E, Canon SJ, Marengo LK, Canfield MA, Agopian AJ, Lupo PJ, Nembhard WN. (2023) Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias. International Conference on Birth Defects and Disabilities in the Developing World. Santiago, Chile. March 1-4, 2023. Oral Presentation
45. **Patel J**, Politis MD, Bolin EH, Nembhard WN. (2023) Prevalence & Mortality of Congenital Heart Defects by Race & Ethnicity: Scoping Review. Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias. International Conference on Birth Defects and Disabilities in the Developing World. Santiago, Chile. March 1-4, 2023. Oral Presentation
46. **Patel J**, Richard MA, Benjamin RH, Bircan E, Canon SJ, Marengo LK, Canfield MA, Agopian AJ, Lupo PJ, Nembhard WN. (2022) Prevalence and Clustering of Congenital Heart Defects among Boys

- with Hypospadias. 48th International Clearinghouse for Birth Defects Surveillance and Research Annual Meeting, Bologna BO, Italy. September 18-21. Poster Presentation
47. Allen A, **Patel J.** (2022) Adverse birth outcomes and cardiometabolic outcomes among multiracial children in the U.S. Summer Scholars Presentations at the Center for Pediatric Population Health, Dallas, TX. August 12. Seminar Presentation
 48. Manoharan A, Oluwafemi O, Luyu Xie, Messiah SE, **Patel J.** (2022). Assessing role of asthma as a modifier between adverse birth outcomes and neurodevelopmental disorders. Summer Scholars Presentations at the Center for Pediatric Population Health, Dallas, TX. August 12. Seminar Presentation
 49. Oluwafemi O, Manoharan A, Luyu Xie, Messiah SE, **Patel J.** (2022) Assessing role of asthma as a modifier between adverse birth outcomes and neurodevelopmental disorders. Research Beyond Boundaries Virtual Conference, Dallas, TX. May 6. Poster Presentation.
 50. **Patel J**, Agopian AJ, Delclos GL, Malik S, Messiah SE. (2021). Constructing a Job-Exposure Matrix to evaluate Maternal Occupational Exposures to Cleaning Agents and Risk of Congenital Heart Defects in Texas. EX4OSH International Conference, Houston, TX. December 9-10. Poster Presentation
 51. **Patel, J**, Henneberger, P. K., de Groene, G. J., Beach, J., Tarlo, S. M., Pal, T. M., & Curti, S. (2021). Workplace interventions for treatment of occupational asthma. Cochrane Database of Systematic Reviews. EX4OSH International Conference, Houston, TX. December 9-10. Poster Presentation
 52. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. EOHS Doctoral Seminar Series, University of Texas Health Science Center at Houston (UTHealth) School of Public Health, Houston, TX. October 29. Seminar Presentation
 53. Pro G, **Patel J**, Haynes T. (2021) National temporal trends in mental health services offered in spanish language. American Public Health Association 2021 Annual Meeting & Expo, Denver and Online. October 27. Poster Presentation
 54. Richard M, **Patel J**, Agopian AJ, Benjamin R, Lupo PJ, Nembhard WN (2021). Hypospadias and Congenital Heart Defects. Research in Progress Meeting, University of Arkansas for Medical Sciences, Little Rock, AR. September 1. Presentation.
 55. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. Society for Epidemiologic Research Annual Meeting 2020, Boston, Massachusetts, June. Poster Presentation
 56. Politis MD, **Patel J**, Lupo PJ, Maity S, Romitti PA, Browne ML, Shaw GM, Jenkins MM, Nembhard WN and the National Birth Defects Prevention Study. (2020). Folate-Sensitive Birth Defects and Family History of Down Syndrome in the National Birth Defects Prevention Study. Society for Epidemiologic Research Annual Virtual Meeting, December. Poster Presentation

57. Politis MD, **Patel J**, Lupo PJ, Maity S, Romitti PA, Browne ML, Shaw GM, Jenkins MM, Nembhard WN and the National Birth Defects Prevention Study. (2020). Folate-Sensitive Birth Defects and Family History of Down Syndrome in the National Birth Defects Prevention Study. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Boston, Massachusetts, December 15. Abstract
58. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. Submitted to Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting 2020, Boston, Massachusetts, December 15. Abstract
59. Hsu P-C, Gokun Y, **Patel J**, Maity SM, Lupo PJ, Nembhard WN (2020). Metabolomics Signatures among Mothers with a Congenital Heart Defect-Affected Pregnancy. Metabolomics 2020 – 16th Annual Conference of the Metabolomics Society. Poster Presentation
60. **Patel, J**, Henneberger, P. K., de Groene, G. J., Beach, J., Tarlo, S. M., Pal, T. M., & Curti, S. (2019). Workplace interventions for treatment of occupational asthma. Cochrane Database of Systematic Reviews, American Public Health Association Virtual Meeting 2020. October 24-28
61. **Patel J**, Lupo PJ, Schraw JM, Mian A, Nembhard WN (2020). Pediatric cancer risk based on attained age among children with birth defects in Teratology Society for Birth Defects Research 2020 Virtual Conference, Charleston, South Carolina June 27-July 1 Poster Presentation
62. **Patel J**, Lupo PJ, Schraw JM, Mian A, Nembhard WN (2020). Pediatric cancer risk based on attained age among children with birth defects in Teratology Society for Birth Defects Research 2020 Virtual Conference, Charleston, South Carolina June 27-July 1 Abstract
63. **Patel J**, Politis MD, Howley MM, Browne ML, Bolin EH, Ailes EC, Johnson CY, Magann EF, Nembhard WN, and the National Birth Defects Prevention Study (2020). 2020 National Birth Defects Prevention Network Annual Meeting (NBDPS Scientific Session), Arlington, Virginia, March 10. Oral Presentation
64. Politis MD, **Patel J**, Lupo PJ, Maity S, Romitti PA, Browne ML, Shaw GM, Jenkins MM, Nembhard WN and the National Birth Defects Prevention Study. (2020). Family History of Down Syndrome and Risk of Folate-Sensitive Birth Defects: Findings from the National Birth Defects Prevention Study. Submitted to 2020 National Birth Defects Prevention Network Annual Meeting, Arlington, Virginia, March 10. Poster Presentation
65. **Patel J**, Nembhard WN, Politis MD, Rocheleau CM, Langlois PH, Shaw GM, Romitti PA, Gilboa SM, Desrosiers TA, Insaf T, Lupo PJ, and the National Birth Defects Prevention Study. (2020). Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and the Risk of Isolated Congenital Heart Defects among Offspring. Seminar Presentation, Department of Epidemiology, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences. November 12
66. Politis MD, **Patel J**, Lupo PJ, Maity S, Romitti PA, Brown ML, Shaw GM, Jenkins MM, Nembhard WN for the National Birth Defects Prevention Study. (2019). Are Rates of Down Syndrome Elevated in Families of Cases with Neural Tube and Other Folate-Affected Birth Defects? Poster Presentation, Women's Faculty Development Caucus 30th Anniversary: A Poster Showcase of Women in Research. University of Arkansas for Medical Sciences, Little Rock, Arkansas, November 7.

67. **Patel, J.**, Gimeno D, Delclos G “Work-Related Asthma and Asthma Symptoms among Certified Nurse Aides in Texas.” Poster Presentation, UT Health SPH Student Research Day 2017, UTSPH, Houston, TX, April 5, 2018
68. **Patel, J.**, Gimeno D, Delclos G “Work-Related Asthma among Certified Nurse Aides in Texas.” Oral Presentation for Seminar, Respiratory Health Division Seminar, CDC/NIOSH, Morgantown, WV, September 13, 2017
69. **Patel, J.**, “Work-Related Asthma among Certified Nurse Aides in Texas.” Oral Presentation, UT Health SWCOEH Pilot Projects Symposium, University of Texas School of Public Health, Houston, TX, June 2, 2017
70. **Patel, J.**, Gimeno D, Delclos G “Constructing and Updating a Job-Exposure Matrix (JEM) for use with a Statewide Survey of Asthma in Texas Healthcare Professionals (HCPs).” Poster Presentation, UT Health SPH Student Research Day 2017, UTSPH, Houston, TX, April 6, 2017
71. **Patel J.**, Delclos G.L, Gimeno D. (2016), “Work-Related Asthma among Nurse Aides in Texas – A Pilot Study” Poster Presentation, UTHealth SPH Student Research Day 2015, University of Texas School of Public Health, Houston, TX, March 31, 2016
72. Yucel, A., **Patel, J.** and Pise, M. N. (2015), Reduction in ER Visits of ADHD Patients: Effect of Long and Short-Acting Stimulants. Poster Presentation, ISPOR 20th Annual International Meeting, Philadelphia, PA, USA, May 18, 2015
73. **Patel, J.**, Sinha, A, Lopez, D., Barcenas, C. “Referral Bias in Breast Cancer Survivorship Research: Evaluation of Clinical and Epidemiologic Factors.” Poster Presentation, UTHealth SPH Student Research Day 2015: "Building broader connections," University of Texas School of Public Health, Houston, TX, April 9, 2015
74. **Patel, J.**, Sinha, A, Lopez, D., Barcenas, C. “Referral Bias in Breast Cancer Survivorship Research: Evaluation of Clinical and Epidemiologic Factors.” Poster Presentation, 2015 Third State of the Science Cancer Survivorship Research Symposium Maximizing Cancer Survivors’ Health through Innovative Research, Dan L. Duncan Building, MD Anderson Cancer Research Institute, Houston, TX, February 12, 2015
75. Yucel, A., **Patel, J.** and Pise, M. N. (2015), Effect of long-acting versus short-acting stimulants for the treatment of Attention Deficit Hyperactivity Disorder (ADHD) on emergency room visits using Medical Expenditure Panel Survey (MEPS) data. Poster Presentation, 15th Annual Health Services & Outcomes Research Conference, Houston, TX, December 9, 2014.
76. **Patel J.**, Glaser D., Shearer S. (2013). “Behavior-Based Approach for Drug Abuse: History and Need.” Poster Presentation, 65th Annual KPHA Meeting, Louisville, KY, March 26 – 28, 2013.
77. **Patel J.**, Watkins C. (2012). “Childhood Asthma: Kentucky Compared to the Nation.” Poster Presentation, 64th Annual KPHA Meeting, Louisville, KY. March 27-30, 2012.
78. **Patel J.** (2011). “Sewage Treatment Plant and its health effects in surrounding population in Vadodara city”. Speaker at Department of Community Medicine, Smt. B. K. Shah Medical Institute and Research Center, Vadodara, India, January 2011.

Invited Lectures

2025 “Introduction to Epidemiology and Biostatistics.” Young Scientists of America, Dallas, TX, July 2025.

2025 “Birth Defects—Co-occurrences and Occupational Exposures.” UAMS Research Showcase, University of Arkansas for Medical Sciences, Little Rock, AR, February 2025.

2024 “Maternal Occupations and Occupational Exposures: Impacts on Birth Defects in Epidemiological Research.” Environmental and Occupational Health Sciences Doctoral Research Seminar Series, UTHealth Houston School of Public Health, Houston, TX, November 2024.

2023 “SWCOEH Trainee Program.” EPSA Meeting, UTHealth Houston School of Public Health, Houston, TX, November 2023.

2023 “Epidemiology of Birth Defects: Focus on Occupational Exposures and Co-occurrence Patterns.” Summer Scholars Seminar Series, UTHealth Houston School of Public Health at Dallas, Dallas, TX, June 2023.

2023 “Patient Data Collection: Observational Data and Health Services Research.” U.N. Mehta Institute of Cardiology and Research Centre, Ahmedabad, Gujarat, India, February 2023.

2023 “Research Area Expertise.” Spring Kickoff Faculty Research Elevator Speeches, Dallas, TX, January 2023.

2023 “Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias.” Birth Defects Symposium, Texas Medical Center, Houston, TX, January 2023.

2022 “Prevalence and Clustering of Congenital Heart Defects among Boys with Hypospadias.” Dallas Student Association Fall Journal Club, Dallas, TX, November 2022.

2022 “Survey Methodology.” Guest lecture, Epidemiology II, Dallas, TX, September 2022.

2022 “Pilot Projects Research Training Program Overview.” Southwest Center for Occupational and Environmental Health Retreat, El Paso, TX, July 2022.

2022 “Research Methods and Implementation of Practice in the Field of Cardiology.” U.N. Mehta Institute of Cardiology and Research Centre, Ahmedabad, Gujarat, India, April 2022.

C. GRANTS & FUNDING SUPPORT

Ongoing Research Support

CDC/NCBDDD: NU01DD000060 (Agopian/Patel)

09/30/2024–09/29/2029

Surveillance of Congenital Heart Defects Among Children, Adolescents, and Adults: Component A (UTHealth)

This project conducts population-based surveillance of congenital heart defects across the lifespan to improve understanding of health outcomes, healthcare use, and associated disparities among affected children, adolescents, and adults.

Role: Co-Investigator (Transitioning PI 2026) Effort: 33% Total Award Amount: \$2,552,577

UAMS/CDC: U01DD001306 (Nembhard) 09/01/2023–03/31/2027*Component A Core – Birth Defects Study To Evaluate Pregnancy Exposures (BD-STEPS III)*

This project investigates maternal exposures and other factors occurring before and during pregnancy to identify potentially modifiable causes of birth defects and inform prevention efforts.

Role: PD/PI Effort: 5% Total Subaward Amount: \$41,504

CDC: U01DD001309 (Agopian) 09/01/2023–03/31/2027*Component A: Texas BD-STEPS III Core*

This project supports the Texas component of BD-STEPS III, a multisite study designed to examine pregnancy-related exposures and other factors that may contribute to selected major birth defects.

Role: Co-Investigator Effort: 5% Total Award Amount: \$2,040,000

NIOSH/CDC: T42OH008421 (Felknor) 07/01/2020–06/30/2026*Southwest Center for Occupational and Environmental Health*

This Education and Research Center provides interdisciplinary graduate education, research training, continuing education, and outreach to prepare occupational safety and health professionals and address regional workplace health needs. The center was successfully renewed for an additional five-year funding cycle covering 2026–2031.

Role: Program Director Effort: 12% Total Award Amount: \$9,186,221

Texas Department of State Health Services: Award/Contract Number TBD**08/01/2026–04/30/2027***Birth Defects Surveillance Program Operations (EPI/BDSPO Contract)*

This project supports statewide birth defects surveillance operations, including activities to improve the completeness, timeliness, and quality of electronic case reporting for birth defects in Texas.

Role: Lead for ECR Reporting/Key Personnel Effort: 30% Total Contract Amount: \$130,000

Completed Research Support**Texas Department of State Health Services (TX DSHS) 02/01/2025 – 04/30/2025***Strengthening Birth Defects Surveillance in Texas: Innovative Data Linkages, Applied Epidemiology, and Enhanced Prevention and Outreach*

This contract supported statewide birth defects surveillance through innovative data linkages, applied epidemiologic analyses, and activities to enhance surveillance quality, prevention, and outreach across Texas.

Role: Co-Investigator Effort: 16.4% Total Contract Amount: \$463,388

UTHSCSA/NIEHS: R01ES031063 (Gimeno) 01/01/2024–12/31/2025*Study of Cleaners in San Antonio: Immunologic and Inflammatory Responses to Total Volatile Organic Compound Exposure*

This project examined total volatile organic compound exposures among professional cleaners and evaluated associated immunologic and inflammatory responses to improve understanding of

occupational respiratory health risks.

Role: PD/PI Total Subaward Amount: \$45,107

UAMS/CDC: U01DD001285 (Nembhard)

06/01/2023–08/31/2024

Birth Defects Study To Evaluate Pregnancy Exposures (BD-STEPS) II Core & Component B – Stillbirth

This project investigated maternal exposures and other pregnancy-related factors associated with birth defects and stillbirth to improve understanding of their causes and support prevention efforts.

Role: PD/PI Total Subaward Amount: \$82,071

UAMS/PCORI: EACB-23278 (Bryant-Moore)

01/01/2022–12/31/2023

FAITH Network PCOR Training for Researchers

This project trained researchers in patient-centered outcomes research and strengthened their capacity to engage patients and community partners throughout the research process.

Role: PD/PI Total Award Amount: \$15,117

NIH/NIEHS: R01ES031063 (Gimeno)

03/05/2021–12/31/2023

Study of Cleaners in San Antonio: Immunologic and Inflammatory Responses to Total Volatile Organic Compound Exposure

This study characterized occupational exposure to total volatile organic compounds among cleaners and evaluated immunologic and inflammatory responses that may contribute to adverse respiratory health outcomes.

Role: Co-Investigator Total Award Amount: \$1,685,649

UAMS/PCORI: 52933 (Bryant-Moore)

05/01/2021–10/14/2021

FAITH Network Research Advocates

This project prepared community members to serve as research advocates and strengthened their ability to contribute meaningfully to patient-centered research planning, implementation, and dissemination.

Role: PD/PI Total Award Amount: \$8,072

UAMS/PCORI: Award Number Not Provided

10/15/2021–04/14/2023

The FAITH Network's Response to COVID-19

This project engaged FAITH Network partners in addressing community needs related to COVID-19 and promoted the inclusion of community perspectives in pandemic response and patient-centered research activities.

Role: PD/PI Total Award Amount: \$22,674

Submitted Research Support

**NIH: R01 (NIDDK)
2026**

Submitted June

Improving Outcomes in a Rural Diabetes Prevention Program with the Addition of the Sustainable Culturally Adapted Food Nutrition Curriculum

This proposed trial will evaluate whether adding the Sustainable Culturally Adapted Food

Nutrition curriculum to a rural Diabetes Prevention Program improves participant outcomes and supports culturally relevant, sustainable diabetes prevention.

Role: Multi-PD/PI Status: Under Review

D. PROFESSIONAL SERVICE

Academic Journals

Editorial Role

PLOS Global Public Health – Academic Editor

Children – Guest Editor - Special Issue "Advances in the Treatment and Management of Congenital Heart Defects"

Reviewer (Past 3 Years)

Cleft Palate Craniofacial Journal

Workplace Health and Safety

JAMA Pediatrics

Journal of Agromedicine

Annals of Epidemiology

Birth Defects Research

Book Chapter Reviewer

Elsevier – Reviewer (Targeted Therapy for Central Nervous System: Formulation, Clinical Challenges and Regulatory Strategies – Viral Patel; 2023)

Institutional Service

2024	Member – Epidemiology Preliminary Examination Committee
2024	Member – UTHealth Houston Faculty IT Advisory Committee
2024	Member – UTHealth Faculty Practice Council
2024	Annual Practicum Day Judge
2023	Annual Practicum Day Judge
2023	Epidemiology Preliminary Exam Faculty Proctor
2021	Epidemiology Preliminary Exam Faculty Proctor

Grants Reviewer

2021	Grant Reviewer, Children's Clinical Research Advisory Council (CCRAC) 2021
2021-2023	Grants Program Director, NIOSH SWCOEH-ERC Pilot Projects Research Training Program
2023	Grant Reviewer, NIOSH SWCOEH-ERC Pilot Projects Research Training Program
2023	Grant Reviewer, UT Tyler Southwest Ag Center Pilot Projects

Professional Service/National Recognition

Society for Pediatric Epidemiologic Research (SPER) – Programming Committee

National Birth Defects Prevention Network (Committee Member – Publications and Communications)

National Birth Defects Prevention Network (Committee Member – Diversity and Inclusion)

Health Equity Leadership Institute (HELI), Madison WI – Scholar and Alumni

Kentucky Public Health Association (2012-13) – WKU Chapter – Activities Chair Coordinator
 NIOSH’s Alice Hamilton Award nominations for the Epidemiology and Surveillance category – Reviewer
 NIOSH Annual Southwest Centers Symposiums – Host and Organizer

Memberships

Society for Epidemiologic Research
 Society for Pediatric and Perinatal Epidemiologic Research
 Society for Birth Defects Research and Prevention
 Cochrane Systematic Reviews
 Arkansas Public Health Association
 Kentucky Public Health Association – WKU Chapter
 Texas Public Health Association (TPHA) – Member

Volunteer Activities/Community Service

2025-Present Research Mentor – Young Scientists of America 501(c)(3)
 2024 Participated in CDC/BD-STEPS Stillbirth Component Replication
 2024 SER 2024 Abstract Reviewer
 2024 National Birth Defects Prevention Study – Data Sharing Editor
 2020-21 COVID-19 Outbreak Activities Volunteer, University of Arkansas for Medical Sciences
 2018 Epidemiology Program Volunteer Researcher, Harris County Public Health, Houston, TX
 2014-15 Volunteer Graduate Research Assistant, The University of Texas School of Public Health, Houston, TX

E. TEACHING/ADVISING

E.1. Courses taught at UTHealth Houston School of Public Health

Semester	Course Name	Instructional Role (Effort)
Spring 2022	Epidemiology III	Co-Instructor (50%)
Spring 2022	Practicum	Instructor (100%)
Spring 2023	Epidemiology III	Instructor (100%)
Summer 2023	Injury Epidemiology	Instructor (100%)
Spring 2024	Applied Epidemiological Analysis	Instructor (100%)
Summer 2024	Injury Epidemiology	Instructor (100%)
Fall 2024	Epidemiology III	Instructor (100%)
Summer 2025	Injury Epidemiology	Instructor (100%)
Fall 2025	Intermediate Epidemiology	Instructor (100%)
Spring 2026	Applied Epidemiological Analysis	Instructor (100%)
Summer 2026	Injury Epidemiology	Instructor (100%)

E.1. Internship/Practicum/Research Volunteer Advisor

Student Name	Term	Location	Topic
Tiffany Tang	Summer 2023	Center for Pediatric Population Health	Pediatric and Perinatal Epidemiology

Abigail Allen	Summer 2022	Center for Pediatric Population Health	Pediatric and Perinatal Epidemiology
Sneha Manoharan	Summer 2021-Current	Center for Pediatric Population Health	Pediatric and Perinatal Epidemiology
Shilpa Vishwasrao-Patil	Fall 2021-Spring 2022	Center for Pediatric Population Health	Pediatric Epidemiology
Swapnil Gupta	Fall 2021-Spring 2022	Center for Pediatric Population Health	Pediatric Epidemiology

E.2. Dissertation/Thesis Committees

Student Name	Degree	Dissertation/Thesis Title	Role
Amanda Valentine	PhD	Workforce Composition and Clinic Efficiency: A Quantitative Study of Pediatric Hematology and Oncology Clinics in Texas	Committee Member
Anna Holdiman	PhD	Integrated Care for People Experiencing Homelessness: Service Delivery, Outcomes, and Stigma	Advisor
Aro Choi	PhD	Understanding Temporary Work Disability and Its Relationship to Permanent Work Disability and Early Retirement Among U.S.	Advisor
Suzanne Monsour	PhD	The Impact of Outpatient and Specialty Care Before, During and After Hospitalization on 30-Day Hospital Readmission Rates for Patients with Type 2 Diabetes	Breadth Advisor
Shabnam Bhuiyan	PhD	Presenteeism in Texas HealthCare Workers: The Role of Shiftwork and Asthma	External Reviewer
Fatima Sheriff	PhD	Epidemiologic Features of Preterm Birth among Infants with Trisomy 21 in Texas, 1999-2018	Committee Member
Kelly Oyer-Peterson	PhD	Health and Health Behaviors by Occupation among Employed Houston Residents in 2010 and 2018	Chair
Deepali Ernest	PhD	The Social and Structural Determinants of Polycystic Ovarian Syndrome Among Women of Reproductive Age in the United States.	Chair
Emma Bergqvist	PhD	Pediatric Long COVID: Associations of Race, Ethnicity, and Social Determinants of Health at the Household Level	Advisor
Alvin Estacio	PhD	Characterizing Cardiovascular Disease (CVD)-Related Workplace Health Promotion Program Participation (WHPP) Among Building Cleaning Workers and Employers in the United States	Advisor
Aparajita Chandrashekhkar	PhD	Obesity Severity, Discrimination and Sleep Health in United States	Chair
Kimberly Hsu	PhD	Comparing Effectiveness of Direct Primary Care on Cost, Disease Prevention and Clinical Outcomes Across Employer Groups	Breadth Advisor

E.3. Student/Trainee Advisor

(2021 – present, all UTSPH students are in Epidemiology unless otherwise noted)

Student Name	Degree	Years Served
Meredith Burgess	PhD	2026 - Ongoing

Regina Mercado	PhD	2025 - Ongoing
Deep Shah	PhD	2025 - Ongoing
Karen Alvarez	MPH	2025 - Ongoing
Aparajita Chandrashekhar	PhD	2024 - 2026
Emma Bergqvist	PhD	2024 - 2025
Ricardo Sanchez	MPH	2024 - Ongoing
Lajjaben Patel	MPH	2024 - Ongoing
Callan Kaut	MPH	2024 - Ongoing
Aro Choi	PhD	2023 - Ongoing
Alvin Estacio	PhD	2023 - Ongoing
Kelly Oyer-Peterson	PhD	2023 - 2025
Anna Holdiman	PhD	2022 - Ongoing
Maria Valencia	MPH	2022 - 2025
Ashlynn Singh	MPH	2022 - 2024
Elyse McNamara-Pittler	MPH	2022 - 2024
Patrick Baziha	MPH	2022 - 2025
Yasmin Hamad	MPH	2021 - 2024
Victoria Hung	MPH	2021 - 2023
Thea Pascual	MPH	2021 - 2023
Angie Benedetto	MPH	2021 - 2022
Sudha Khakurel	MPH	2021 - 2025
Aishwarya Reddy	MPH	2021 - 2022

F. MEDIA COVERAGE

Media coverage of co-authored COVID-19 reports (listed above in B.2. section). Addressed by school officials (Chancellor, Dean, and Associate Dean of Research at UAMS)

FOX 24, December 2020, Title: UAMS: Short-term forecast shows significant growth in COVID-19 cases over next two weeks. [UAMS: Short-term forecast shows significant growth in COVID-19 cases over next two weeks | KNWA FOX24 \(nwahomepage.com\)](https://www.knwa.com/story/4029tv/2020/12/01/uams-short-term-forecast-shows-significant-growth-in-covid-19-cases-over-next-two-weeks/3118440001)

4029TV, December 2020, Title: UAMS: Expect high rate of COVID-19 deaths over Christmas and New Year's. [UAMS: Expect high rate of COVID-19 deaths over Christmas and New Year's \(4029tv.com\)](https://www.4029tv.com/story/uams-expect-high-rate-of-covid-19-deaths-over-christmas-and-new-years/3118440001)

TB&P, December 2020, Title: As hospitalizations set new record, Baptist adds hospital beds; UAMS report says state entering 'difficult time'. [As hospitalizations set new record, Baptist adds hospital beds; UAMS report says state entering 'difficult time' - Talk Business & Politics](https://www.talkbusinessandpolitics.com/as-hospitalizations-set-new-record-baptist-adds-hospital-beds-uams-report-says-state-entering-difficult-time/)

FOX 16, December 2020, Title: UAMS: Next 2 weeks of Ark. COVID-19 cases will see more deaths than first 4 months of pandemic. [UAMS: Next 2 weeks of Ark. COVID-19 cases will see more deaths than first 4 months of pandemic | KLRT - FOX16.com](https://www.klrt.com/story/uams-next-2-weeks-of-ark-covid-19-cases-will-see-more-deaths-than-first-4-months-of-pandemic/3118440001)

KNWA FOX 24, December 2020, Title: New UAMS COVID-19 modeling shows increase in cases to come. [New UAMS COVID-19 modeling shows increase in cases to come | KNWA FOX24 \(nwahomepage.com\)](https://www.knwa.com/story/new-uams-covid-19-modeling-shows-increase-in-cases-to-come/3118440001)

Arkansas Online, November 2020, Title: State's case tally rises 1,424; guidelines for churches announced. [State's case tally rises 1,424; guidelines for churches announced \(arkansasonline.com\)](https://arkansasonline.com)

KNWA Fox 24, November 2020, Title: UAMS model forecasts significant continued growth over 2 weeks. [UAMS model forecasts significant continued growth over 2 weeks \(nwahomepage.com\)](https://nwahomepage.com)

KARK, November 2020, Title: UAMS model forecasts significant continued growth over 2 weeks. [UAMS model forecasts significant continued growth over 2 weeks | KARK](#)

4029TV, November 2020, Title: UAMS projects Arkansas' pandemic peak to happen in March or April. <https://www.4029tv.com/article/uams-projects-arkansas-pandemic-peak-to-happen-in-march-or-april/34631771>

KARK, October 2020, Title: UAMS predicts 50,000 new COVID-19 cases by December. [UAMS predicts 50,000 new COVID-19 cases by December | KARK](#)

ABC7 KATV, October 2020, Title: 'We are entering a dangerous point': UAMS dean speaks out as COVID cases rise in Arkansas'. ['We are entering a dangerous point': UAMS dean speaks out as COVID cases rise in Arkansas | KATV](#)

KNWA, October 2020, Title: UAMS predicts 50,000 new COVID-19 cases by December. [UAMS predicts 50,000 new COVID-19 cases by December \(nwahomepage.com\)](https://nwahomepage.com)

TB&P, October 2020, Title: Daily COVID-19 deaths up by 25; UAMS modeling shows fewer long-term COVID cases. [Daily COVID-19 deaths up by 25; UAMS modeling shows fewer long-term COVID cases - Talk Business & Politics](#)

Arkansas Times, October 2020, Title: Modeling coronavirus: Oct. 19 projections released. [Modeling coronavirus: Oct. 19 projections released - Arkansas Times \(arktimes.com\)](https://arktimes.com)

ABC7 KATV, September 2020, Title: How COVID-19 spread compares to the last UAMS predictions. [How COVID-19 spread compares to the last UAMS predictions | KATV](#)

The Sentinel-Record, September 2020, Title: COVID-19 update: UAMS model predicts death to doubl. [COVID-19 update: UAMS model predicts death to double \(hotsr.com\)](https://hotsr.com)

THV11, September 2020, Title: UAMS study predicts over 2,000 COVID-19 deaths in Arkansas by end of October. [UAMS predicts over 2,000 COVID-19 Arkansas deaths end of October | thv11.com](https://thv11.com)

TB&P, September 2020, Title: Gov. Hutchinson: UAMS COVID-19 modeling shows success and need to do more. [Gov. Hutchinson: UAMS COVID-19 modeling shows success and need to do more - Talk Business & Politics](#)

The Saline Courier, September 2020, Title: Hutchinson discusses UAMS model, White House report. [Hutchinson discusses UAMS model, White House report | News | bentoncourier.com](#)

KUAR Public Radio, September 2020, Title: State Adds Just Over 600 New COVID-19 Cases, Cumulative Cases Near 71,000. [State Adds Just Over 600 New COVID-19 Cases, Cumulative Cases Near 71,000 | KUAR \(ualrpublicradio.org\)](#)

Guard Online, September 2020, Title: Stay the course. https://www.guardonline.com/news/stay-the-course/article_501eb217-9966-5f8f-9869-13d3ad4b3fb2.html

5 News Online, September 2020, Title: UAMS modeling has deaths at almost 1,700 by Oct. 15; state reports antigen testing results. [UAMS modeling has deaths at almost 1,700 by Oct. 15; state reports antigen testing results | 5newsonline.com](#)

Arkansas Times, September 2020, Title: UAMS coronavirus modeling for Sept. 7: We're already there. [UAMS coronavirus modeling for Sept. 7: We're already there - Arkansas Times \(arktimes.com\)](#)

Arkansas Democrat Gazette, August 2020, Title: Infections likely to increase at school, governor concedes. [Infections likely to increase at school, governor concedes \(arkansasonline.com\)](#)

THV11, August 2020, Title: UAMS projects new COVID-19 cases would decrease if schools open with online classes. [UAMS projects new COVID-19 cases would decrease if schools open with online classes | thv11.com](#)

Times Record, August 2020, Title: When will the pandemic end? Soon, says one expert. [When will the pandemic end? Soon, says one expert \(swtimes.com\)](#)

KARK, July 2020, Title: Newest COVID-19 models from the UAMS College of Public Health. [Newest COVID-19 models from the UAMS College of Public Health | KARK](#)

Arkansas Times, July 2020, Title: New UAMS forecast for coronavirus cases: 5,000+ new cases by July 28. [New UAMS forecast for coronavirus cases: 5,000+ new cases by July 28 - Arkansas Times \(arktimes.com\)](#)

KNWA, July 2020, Title: New COVID-19 models show Arkansas will see 100,000 cases in November. <https://www.nwahomepage.com/knwa/newest-covid-19-models-from-the-uams-college-of-public-health/>

Arkansas Times, July 2020, Title: COVID modeling: A question answered. [COVID modeling: A question answered - Arkansas Times \(arktimes.com\)](#)

Ozarks First, July 2020, Title: Arkansas headed for 20k COVID-19 cases per day by September on current track. [Arkansas headed for 20k COVID-19 cases per day by September on current track | KOLR - OzarksFirst.com](#)

TB&P, July 2020, Title: Updated UAMS modeling estimates COVID-19 cases above 150,000 in late October. https://talkbusiness.net/2020/07/updated-uams-modeling-estimates-covid-19-cases-above-150000-in-late-october/?utm_source=rss&utm_medium=rss&utm_campaign=updated-uams-modeling-estimates-covid-19-cases-above-150000-in-late-october

ABC7, July 2020. Title: New UAMS model predicts 20K new COVID-19 cases per day by October. [New UAMS model predicts 20k new COVID-19 cases per day by October | KATV](#)

Arkansas Times, July 2020, Title: Modeling COVID-19: A summary from UAMS College of Public Health and UA Fayetteville. [Modeling COVID-19: A summary from UAMS College of Public Health and UA Fayetteville - Arkansas Times \(arktimes.com\)](#)

THV11, July 2020, Title: Researchers cite lack of social distancing regulations in Arkansas for spike in COVID-19 cases. [Lack of social distancing in Arkansas reason for virus case spike | thv11.com](#)

KARK, July 2020, Title: Arkansas headed for 20k COVID-19 cases per day by September on current track. [Arkansas headed for 20k COVID-19 cases per day by September on current track | KARK](#)

Media coverage of other co-authored publications/projects

UTHealth School of Public Health News - SWCOEH News, April 2024, Title: Patel publishes R01 study led by Delclos and Gimeno on asthma in Texas healthcare professionals. <https://sph.uth.edu/research/centers/swcoeh/news/story?id=37e75959-2106-40bc-bf2e-80d6e5f12ddf>

UTHealth School of Public Health News - SWCOEH News, March 2024, Title: Patel presents study on maternal occupation and adverse birth outcomes among infants with congenital heart defects at AHA EpiLifestyle Conference 2024. <https://sph.uth.edu/research/centers/swcoeh/news/patel-presents-study-on-maternal-occupation-and-adverse-birth-outcomes-among-infants-with-congenital-heart-defects-at-aha-epilifestyle-conference-2024>

UTHealth School of Public Health News, September 2022, Title: UTHealth researchers discover boys born with hypospadias were 5.8 times more likely to have a congenital heart defect. <https://sph.uth.edu/news/story/uthealth-researchers-discover-boys-born-with-hypospadias-were-58-times-more-likely-to-have-a-congenital-heart-defect>

MedPage Today, July 2022, Title: Heart Defects Tend to Accompany Penis Abnormality at Birth. <https://www.medpagetoday.com/cardiology/prevention/99969>

Reuters Health News, November 2019, Title: Cannabis tied to severe heart attack risk in younger adults, <https://www.reuters.com/article/us-health-heart-marijuana/cannabis-tied-to-severe-heart-attack-risk-in-younger-adults-idUSKBN1XZ2J5>

Global News (Canada), November 2019, Title: Cannabis could be linked to higher risk of heart attack in young adults, study finds, <https://globalnews.ca/news/6218899/cannabis-heart-attack-risk/>

ABS-CBN News, November 2019, Title: Cannabis, amphetamines tied to severe heart attack risk in younger adults, <https://news.abs-cbn.com/life/11/26/19/cannabis-amphetamines-tied-to-severe-heart-attack-risk-in-younger-adults>
