

**Texas Birth Defects Registry (TBDR) Annual Report**  
**Appendix E. Research Using Texas Birth Defects Registry Data**  
(n=477, as of February 2024)

**2024** (n=3)

1. Benjamin, R. H., Marengo, L. K., Scheuerle, A. E., Agopian, A. J., & Mitchell, L. E. (2024). Prevalence and descriptive epidemiology of choanal atresia and stenosis in Texas, 1999-2018. *American journal of medical genetics. Part A*, e63549. Advance online publication. <https://doi.org/10.1002/ajmg.a.63549>
2. Feldkamp, M. L., Canfield, M. A., Krikov, S., Prieto-Merino, D., Šípek, A., Jr, LeLong, N., Amar, E., Rissmann, A., Csaky-Szunyogh, M., Tagliabue, G., Pierini, A., Gatt, M., Bergman, J. E. H., Szabova, E., Bermejo-Sánchez, E., Tucker, D., Dastgiri, S., Bidondo, M. P., Canessa, A., Zarante, I., ... Botto, L. D. (2024). Gastroschisis prevalence patterns in 27 surveillance programs from 24 countries, International Clearinghouse for Birth Defects Surveillance and Research, 1980-2017. *Birth defects research*, 116(2), e2306. <https://doi.org/10.1002/bdr2.2306>
3. Williford, E. M., Yang, W., Howley, M. M., Ma, C., Collins, R. T., Weber, K. A., Heinke, D., Petersen, J. M., Agopian, A. J., Archer, N. P., Olshan, A. F., Williams, L. A., Browne, M. L., Shaw, G. M., & National Birth Defects Prevention Study (2024). Factors associated with infant sex and preterm birth status for selected birth defects from the National Birth Defects Prevention Study, 1997-2011. *Birth defects research*, 116(1), e2294. <https://doi.org/10.1002/bdr2.2294>

**2023** (n=22)

1. Ahmed, M., Shumate, C., Bojes, H., Patel, K., Agopian, A. J., & Canfield, M. (2024). Racial and ethnic differences in infant survival for hydrocephaly-Texas, 1999-2017. *Birth defects research*, 116(1), e2285. <https://doi.org/10.1002/bdr2.2285>
2. Allred, R. P., Nguyen, J., Agopian, A. J., Canfield, M. A., & Shumate, C. J. (2023). An epidemiologic study of penoscrotal transposition by maternal characteristics using data from the Texas birth defects registry. *Birth defects research*, 10.1002/bdr2.2270. Advance online publication. <https://doi.org/10.1002/bdr2.2270>
3. Bascom, J. T., Stephens, S. B., Lupo, P. J., Canfield, M. A., Kirby, R. S., Nestoridi, E., Salemi, J. L., Mai, C. T., Nembhard, W. N., Forestieri, N. E., Romitti, P. A., St Louis, A. M., & Agopian, A. J. (2023). Scientific impact of the National Birth Defects Prevention Network multistate collaborative publications.

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4. Benjamin RH, Nguyen JM, Canfield MA, Shumate CJ, Agopian AJ. Survival of neonates, infants, and children with birth defects: a population-based study in Texas, 1999-2018. *Lancet Reg Health Am.* 2023 Oct 18;27:100617.  
<https://doi.org/10.1016/j.lana.2023.100617> PMID: 37868647; PMCID: PMC10589744
5. Betts, A. C., Shay, L. A., Lupo, P. J., Pruitt, S. L., Roth, M. E., Allicock, M. A., Cohn, B. A., & Murphy, C. C. (2023). Adverse birth outcomes of adolescent and young adult women diagnosed with cancer during pregnancy. *Journal of the National Cancer Institute*, 115(6), 619–627.  
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6. Connolly, G. K., Harris, R. D., Shumate, C., Rednam, S. P., Canfield, M. A., Plon, S. E., Nguyen, J., Schraw, J. M., & Lupo, P. J. (2023). Pediatric cancer incidence among individuals with overgrowth syndromes and overgrowth features: A population-based assessment in seven million children. *Cancer*, 10.1002/cncr.35041. Advance online publication.  
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8. Hoyt, A. T., Shumate, C. J., Langlois, P. H., Waller, D. K., Scheuerle, A. E., Ranjit, N., & Layne, C. S. (2023). Sunspot activity and birth defects among Texas births (1999-2016). *Birth defects research*, 115(12), 1120–1139.  
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9. Ludorf, K. L., Benjamin, R. H., Canfield, M. A., Swartz, M. D., & Agopian, A. J. (2023). Prediction of Preterm Birth among Infants with Orofacial Cleft Defects. *The Cleft palate-craniofacial journal : official publication of the American Cleft Palate-Craniofacial Association*, 10556656231198945. Advance online publication. <https://doi.org/10.1177/10556656231198945>
10. Martin-Giacalone, B. A., Lin, A. E., Rasmussen, S. A., Kirby, R. S., Nestoridi, E., Liberman, R. F., Agopian, A. J., Carey, J. C., Cragan, J. D., Forestieri, N., Leedom, V., Boyce, A., Nembhard, W. N., Piccardi, M., Sandidge, T., Shan, X., Shumate, C. J., Stallings, E. B., Stevenson, R., & Lupo, P. J. (2023). Prevalence and descriptive epidemiology of Turner syndrome in the United States, 2000-2017: A report from the National Birth Defects Prevention Network. *American journal of medical genetics. Part A*, 10.1002/ajmg.a.63181.

Advance online publication.

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11. Murphy, C. C., Betts, A. C., Pruitt, S. L., Cohn, B. A., Shay, L. A., Allicock, M. A., Wang, J. S., & Lupo, P. J. (2023). Birth defects in offspring of adolescent and young adults with a history of cancer: a population-based study of 27,000 women. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 10.1158/1055-9965.EPI-23-0743. Advance online publication. <https://doi.org/10.1158/1055-9965.EPI-23-0743>
12. Neo, D. T., Desrosiers, T. A., Martin, C. L., Carmichael, S. L., Gucsavas-Calikoglu, M., Conway, K. M., Evans, S. P., Feldkamp, M. L., Gilboa, S. M., Insaf, T. Z., Musfee, F. I., Shaw, G. M., Shumate, C. J., Werler, M. M., Olshan, A. F., & National Birth Defects Prevention Study (2023). Neighborhood-level Socioeconomic Position During Early Pregnancy and Risk of Gastroschisis. *Epidemiology (Cambridge, Mass.)*, 34(4), 576–588. <https://doi.org/10.1097/EDE.0000000000001621>
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15. Schraw, J. M., Benjamin, R. H., Shumate, C. J., Canfield, M. A., Scott, D. A., McLean, S. D., Northrup, H., Scheuerle, A. E., Schaaf, C. P., Ray, J. W., Chen, H., Agopian, A. J., & Lupo, P. J. (2023). Patterns of co-occurring birth defects in children with anotia and microtia. *American journal of medical genetics. Part A*, 191(3), 805–812. <https://doi.org/10.1002/ajmg.a.63081>
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17. Schraw, J. M., Sok, P., Desrosiers, T. A., Janitz, A. E., Langlois, P. H., Canfield, M. A., Frazier, A. L., Plon, S. E., Lupo, P. J., & Poynter, J. N. (2023). Associations between birth defects and childhood and adolescent germ cell tumors according to sex, histologic subtype, and site. *Cancer*, 129(20), 3300–3308. <https://doi.org/10.1002/cncr.34906>
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1. Benavides, E., Lupo, P. J., Sosa, M., Whitworth, K. W., Canfield, M. A., Langlois, P. H., & Schraw, J. M. (2022). Correction: Urban-rural residence and birth defects prevalence in Texas: a phenome-wide association study. *Pediatric research*, 91(6), 1625. <https://doi.org/10.1038/s41390-021-01737-7>
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