

Top FASD Articles of 2019

The articles below were selected by a group of Canada FASD Research Network (CanFASD) staff, researchers, and Family Advisory Committee members to highlight some of the work that has been published over the last year in the field of FASD.

A search of Web of Science, PubMed, PsycInfo, Scholars Portal, Proquest Nursing and Allied Health, Google Scholar, CINAHL, Ovid, and Ovid Nursing Journals databases yielded over 230 articles published in 2019 on FASD. Many of these were excellent publications. However, the final list was narrowed down to focus on CanFASD's areas of emphasis in FASD prevention, intervention, assessment and diagnosis, child welfare, justice, and family collaboration. Additional consideration for what constituted the "top" articles included:

- ✓ *Generalizability to Canadians*
- ✓ *Influence on practice or policy*
- ✓ *Novelty*
- ✓ *Scientific rigour*
- ✓ *Media attention*

Final selections were categorized by area of focus and limited to 5 articles or less per category. All articles are published in peer-reviewed journals. They are arranged in alphabetical order by first author's surname, and those in **bold** are available in open access.

Assessment, Diagnosis, and Clinical Presentation of FASD

1. **Coons-Harding, K. D., Flannigan, K., Burns, C., Rajani, H., & Symes, B. (2019). Assessing for fetal alcohol spectrum disorder: A survey of assessment measures used in Alberta, Canada. *Journal of Population Therapeutics and Clinical Pharmacology*, 26(1), E39-E55. doi:10.22374/1710-6222.26.1.4**
2. Doyle, L. R., Coles, C. D., Kable, J. A., May, P. A., Sowell, E. R., Jones, K. L., ... Mattson, S. N. (2019). Relation between adaptive function and IQ among youth with histories of heavy prenatal alcohol exposure. *Birth Defects Research*, 111(12), 812-821. doi:10.1002/bdr2.1463
3. Garrison, L., Morley, S., Chambers, C. D., & Bakhireva, L. N. (2019). Forty years of assessing neurodevelopmental and behavioral effects of prenatal alcohol exposure in infants: What have we learned? *Alcoholism: Clinical & Experimental Research*, 43(8), 1632-1642. doi: <https://doi.org/10.1111/acer.14127>
4. Lebel, C. A., McMorris, C. A., Kar, P., Ritter, C., Andre, Q., Tortorelli, C., & Ben Gibbard, W. (2019). Characterizing adverse prenatal and postnatal experiences in children. *Birth Defects Research*, 111(12), 848-858. doi:10.1002/bdr2.1464
5. **Mukherjee, R. A. S., Cook, P. A., Norgate, S. H., & Price, A. D. (2019). Neurodevelopmental outcomes in individuals with fetal alcohol spectrum disorder (FASD) with and without exposure to neglect: Clinical cohort data from a national FASD diagnostic clinic. *Alcohol*, 76, 23-28. doi:<https://doi.org/10.1016/j.alcohol.2018.06.002>**

Intervention

6. Kapasi, A., Makela, M., Joly, V., Flannigan, K., & Pei, J. (2019). Understanding employment success in adults with fetal alcohol spectrum disorder. *Journal of Vocational Rehabilitation*, 51(3), 377-393. doi:10.3233/JVR-191053.
7. Makela, M. L., Pei, J. R., Kerns, K. A., MacSween, J. V., Kapasi, A., & Rasmussen, C. (2019). Teaching children with fetal alcohol spectrum disorder to use metacognitive strategies. *The Journal of Special Education*, 53(2), 119-128. doi:10.1177/0022466919832371

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8. Quan, R., Brintnell, E. S., & Leung, A. W. S. (2019). Elements for developing community-based interventions for adults with fetal alcohol spectrum disorder: A scoping review. *British Journal of Occupational Therapy, 82*(4), 201-212. doi:10.1177/0308022618790206

Mental Health

9. Dirks, H., Francke, L., Würz, V., Kretschmann, C., Dehghan-Sanij, S., & Scherbaum, N. (2019). Substance use, comorbid psychiatric disorders and suicide attempts in adult FASD patients. *Advances in Dual Diagnosis, 12*(1-2), 6-13. doi:10.1108/add-10-2018-0018
10. Mela, M., Coons-Harding, K. D., & Anderson, T. (2019). Recent advances in fetal alcohol spectrum disorder for mental health professionals. *Current Opinion in Psychiatry, 32*(4), 328-335. doi:10.1097/YCO.0000000000000514
11. Temple, V. K., Cook, J. L., Unsworth, K., Rajani, H., & Mela, M. (2019). Mental health and affect regulation impairment in fetal alcohol spectrum disorder (FASD): Results from the Canadian National FASD Database. *Alcohol and Alcoholism, 54*(5), 545-550. doi:10.1093/alcalc/agz049

Prevention and Maternal Health

12. Hai, A. H., Hammock, K., & Velasquez, M. M. (2019). The efficacy of technology-based interventions for alcohol and illicit drug use among women of childbearing age: A systematic review and meta-analysis. *Alcoholism: Clinical and Experimental Research, 43*(12), 2464-2479. doi:10.1111/acer.14203
13. Oni, H. T., Buultjens, M., Abdel-Latif, M. E., & Islam, M. M. (2019). Barriers to screening pregnant women for alcohol or other drugs: A narrative synthesis. *Women and Birth, 32*(6), 479-486. doi:10.1016/j.wombi.2018.11.009
14. Pei, J., Carlson, E., Tremblay, M., & Poth, C. (2019). Exploring the contributions and suitability of relational and community-centered fetal alcohol spectrum disorder (FASD) prevention work in First Nation communities. *Birth Defects Research, 111*, 835-847. doi:10.1002/bdr2.1480
15. **Singal, D., Brownell, M., Wall-Wieler, E., Chateau, D., Hanlon-Dearman, A., Longstaffe, S., & Roos, L. L. (2019). Prenatal care of women who give birth to children with fetal alcohol spectrum disorder in a universal health care system: A case-control study using linked administrative data. *CMAJ Open, 7*(1), E63-E72. doi:10.9778/cmajo.20180027**
16. **Wolfson, L., Poole, N., Ninomiya, M. M., Rutman, D., Letendre, S., Winterhoff, T., ... Rowan, T. (2019). Collaborative action on fetal alcohol spectrum disorder prevention: Principles for enacting the Truth and Reconciliation Commission Call to Action #33. *International Journal of Environmental Research and Public Health, 16*(9). doi:10.3390/ijerph16091589**

Child Welfare

17. **Coons-Harding, K. D., Azulai, A., & McFarlane, A. (2019). State-of-the-art review of transition planning tools for youth with fetal alcohol spectrum disorder in Canada. *Journal on Developmental Disabilities, 24*(1), 81-98.**
18. **Hutton, S., Head, K. J., Lyttle, S., Jordyn, Kenneally, N., & Rehou, M. (2019). System kids: Transition-aged youth from foster care to developmental services. *Journal on Developmental Disabilities, 24*(1), 49-65.**

Caregivers/Families

19. **Brown, J., Kapasi, A., Nowicki, E., & Cleversey, K. (2019). Expectations of youth with fetal alcohol spectrum disorder in adulthood: Caregiver perspectives. *Journal on Developmental Disabilities, 24*(2), 30-42.**

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20. Reid, N., & Moritz, K. M. (2019). Caregiver and family quality of life for children with fetal alcohol spectrum disorder. *Research in Developmental Disabilities, 94*. doi: <https://doi.org/10.1016/j.ridd.2019.103478>

Justice

21. Freeman, J., Condon, C., Hamilton, S., Mutch, R. C., Bower, C., & Watkins, R. E. (2019). Challenges in accurately assessing prenatal alcohol exposure in a study of fetal alcohol spectrum disorder in a youth detention center. *Alcoholism: Clinical & Experimental Research, 43*(2), 309-316. doi: 10.1111/acer.13926
22. McLachlan, K., McNeil, A., Pei, J., Brain, U., Andrew, G., & Oberlander, T. F. (2019). Prevalence and characteristics of adults with fetal alcohol spectrum disorder in corrections: A Canadian case ascertainment study. *BMC Public Health, 19*(1), 43. doi: <https://doi.org/10.1186/s12889-018-6292-x>

Research Methodology/Policy Issues

23. Aspler, J., Zizzo, N., Bell, E., Di Pietro, N., & Racine, E. (2019). Stigmatisation, exaggeration, and contradiction: An analysis of scientific and clinical content in Canadian print media discourse about fetal alcohol spectrum disorder. *Canadian Journal of Bioethics, 2*(2), 23-35.

Basic Science and Epigenetics

24. Holman, P. J., Baglot, S. L., Morgan, E., & Weinberg, J. (2019). Effects of prenatal alcohol exposure on social competence: Asymmetry in play partner preference among heterogeneous triads of male and female rats. *Developmental Psychobiology, 61*(4), 513-524. doi: <https://doi.org/10.1002/dev.21842>
25. McLachlan, K., Vavasour, I., MacKay, A., Brain, U., Oberlander, T., Loock, C., ... Beaulieu, C. (2019). Myelin water fraction imaging of the brain in children with prenatal alcohol exposure. *Alcoholism: Clinical and Experimental Research, 43*(5), 833-841. doi:10.1111/acer.14024