

Top FASD Articles of 2018

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 460 articles published in 2018 on FASD. Many of these were excellent publications (especially in the areas of animal models of FASD, epigenetics, and brain-based research). However, the final list was narrowed down to focus on CanFASD's areas of emphasis in FASD prevention, intervention, diagnosis, social justice, child welfare, 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 10 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.

Diagnosis and Presentation of FASD

1. Ali, S., Kerns, K. A., Mulligan, B. P., Olson, H. C., & Astley, S. J. (2018). An investigation of intra-individual variability in children with fetal alcohol spectrum disorder (FASD). *Child Neuropsychology*, 24(5), 617-637. doi:10.1080/09297049.2017.1302579
2. **Cook, J. L., Green, C. R., Lilley, C., Psych, R., Anderson, S., Baldwin, M. E., . . . Temple, V. (2018). Response to "A critique for the new Canadian FASD diagnostic Guidelines". *Journal of the Canadian Academy of Child and Adolescent Psychiatry*, 27(2), 83-87.**
3. Flannigan, K., Gill, K., Pei, J., Andrew, G., Rajani, H., McFarlane, A., . . . Rasmussen, C. (2018). Deferred diagnosis in children assessed for fetal alcohol spectrum disorder. *Applied Neuropsychology: Child*, 1-10. doi:10.1080/21622965.2018.1427094
4. **Goldschmidt, L., Richardson, G. A., De Genna, N. M., Cornelius, M. D., & Day, N. L. (2018). Prenatal alcohol exposure and offspring alcohol use and misuse at 22 years of age: A prospective longitudinal study. *Neurotoxicology and Teratology*, 71, 1-5. doi:10.1016/j.ntt.2018.11.001**
5. **Helgesson, G., Bertilsson, G., Domeij, H., Fahlström, G., Heintz, E., Hjern, A., . . . Hultcrantz, M. (2018). Ethical aspects of diagnosis and interventions for children with fetal alcohol spectrum disorder (FASD) and their families. *BMC Medical Ethics*, 19. doi:10.1186/s12910-017-0242-5**
6. Hendricks, G., Malcolm-Smith, S., Adnams, C., Stein, D. J., & Donald, K. A. M. (2018). Effects of prenatal alcohol exposure on language, speech and communication outcomes: A review longitudinal studies. *Acta Neuropsychiatrica*, 1-10. doi:10.1017/neu.2018.28
7. Lange, S., Rehm, J., Anagnostou, E., & Popova, S. (2018). Prevalence of externalizing disorders and autism spectrum disorders among children with fetal alcohol spectrum disorder: Systematic review and meta-analysis. *Biochemistry and Cell Biology*, 96(2), 241-251. doi:10.1139/bcb-2017-0014

Intervention

8. Keightley, M., Agnihotri, S., Subramaniapillai, S., Gray, J., Keresztesi, J., Colantonio, A., . . . Wiseman-Hakes, C. (2018). Investigating a theatre-based intervention for Indigenous youth with fetal alcohol spectrum disorder. *Canadian Journal of Occupational Therapy, 85*(2), 128-136. doi:10.1177/0008417417719722
9. Kully-Martens, K., Pei, J., Kable, J., Coles, C. D., Andrew, G., & Rasmussen, C. (2018). Mathematics intervention for children with fetal alcohol spectrum disorder: A replication and extension of the math interactive learning experience (MILE) program. *Research in Developmental Disabilities, 78*, 55-65. doi:10.106/j.ridd.2018.04.018
10. **Mela, M., Okpalauwaekwe, U., Anderson, T., Eng, J., Nomani, S., Ahmed, A., & Barr, A. M. (2018). The utility of psychotropic drugs on patients with fetal alcohol spectrum disorder (FASD): A systematic review. *Psychiatry and Clinical Psychopharmacology, 28*(4), 436-445. doi:10.1080/24750573.2018.1458429**
11. Pritchard Orr, A. B., Keiver, K., Bertram, C. P., & Clarren, S. (2018). FAST Club: The impact of a physical activity intervention on executive function in children with fetal alcohol spectrum disorder. *Adapted Physical Activity Quarterly, 35*(4), 403-423. doi:10.1123/apaq.2017-0137

Prevention

12. Driscoll, D. L., Barnes, V. R., Johnston, J. M., Windsor, R., & Ray, R. (2018). A formative evaluation of two FASD prevention communication strategies. *Alcohol and Alcoholism, 53*(4), 461-469. doi:10.1093/alcalc/agx122
13. **Fergie, L., Campbell, K. A., Coleman-Haynes, T., Ussher, M., Cooper, S., & Coleman, T. (2018). Identifying effective behavior change techniques for alcohol and illicit substance use during pregnancy: A systematic review. *Annals of Behavioral Medicine. doi:10.1093/abm/kay085***
14. **Gartner, K., Elliott, K., Smith, M., Pearson, H., Hunt, G., & Martin, R. E. (2018). "People in regular society don't think you can be a good mother and have a substance use problem": Participatory action research with women with substance use in pregnancy. *Canadian Family Physician, 64*(7), e309-e316.**
15. Geraghty, S., Doleman, G., & De Leo, A. (2018). Midwives' attitudes towards pregnant women using substances: Informing a care pathway. *Women and Birth. doi:10.1016/j.wombi.2018.09.007*
16. **Gonzales, K. L., Jacob, M. M., Mercier, A., Heater, H., Nall Goes Behind, L., Joseph, J., & Kuerschner, S. (2018). An indigenous framework of the cycle of fetal alcohol spectrum disorder risk and prevention across the generations: Historical trauma, harm and healing. *Ethnicity & Health, 1-19. doi:10.1080/13557858.2018.1495320***
17. Ingersoll, K., Frederick, C., MacDonnell, K., Ritterband, L., Lord, H., Jones, B., & Truwit, L. (2018). A pilot RCT of an Internet intervention to reduce the risk of alcohol-exposed pregnancy. *Alcoholism: Clinical and Experimental Research, 42*(6), 1132-1144. doi:10.1111/acer.13635
18. **Latuskie, K. A., Andrews, N. C. Z., Motz, M., Leibson, T., Austin, Z., Ito, S., & Pepler, D. J. (2018). Reasons for substance use continuation and discontinuation during pregnancy: A qualitative study. *Women and Birth. doi:10.1016/j.wombi.2018.04.001***
19. Martino, S., Ondersma, S. J., Forray, A., Olmstead, T. A., Gilstad-Hayden, K., Howell, H. B., . . . Yonkers, K. A. (2018). A randomized controlled trial of screening and brief interventions for substance misuse in reproductive health. *American Journal of Obstetrics & Gynecology, 218*(3), 322.e321-322.e312. doi:10.1016/j.ajog.2017.12.005
20. Subbaraman, M. S., Thomas, S., Treffers, R., Delucchi, K., Kerr, W. C., Martinez, P., & Roberts, S. C. M. (2018). Associations between state-level policies regarding alcohol use among pregnant women, adverse birth outcomes, and prenatal care utilization: Results from 1972 to 2013 Vital Statistics. *Alcoholism: Clinical and Experimental Research, 42*(8). doi:10.1111/acer.13804

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21. Tarasoff, L. A., Milligan, K., Le, T. L., Usher, A. M., & Urbanoski, K. (2018). Integrated treatment programs for pregnant and parenting women with problematic substance use: Service descriptions and client perceptions of care. *Journal of Substance Abuse Treatment, 90*, 9-18. doi:10.1016/j.jsat.2018.04.008

Caregivers/Families

22. Domeij, H., Fahlstrom, G., Bertilsson, G., Hultcrantz, M., Munthe-Kaas, H., Gordh, C. N., & Helgesson, G. (2018). Experiences of living with fetal alcohol spectrum disorders: A systematic review and synthesis of qualitative data. *Developmental Medicine & Child Neurology, 60*(8), 741-752. doi:10.1111/dmcn.13696
23. **Pepper, J., Coons-Harding, K. D., Bibr, C., & Watson, S. L. (2018). Waving a magic wand: Supports for families raising school-aged children with autism spectrum disorder and fetal alcohol spectrum disorder in Ontario. *Journal of Fetal Alcohol Spectrum Risk & Prevention, 1*(1), E2-E16. doi:https://doi.org/10.22374/jfasrp.v1i1.2**
24. **Spruyt, K., Ipsiroglu, O., Stockler, S., & Reynolds, J. N. (2018). Challenging sleep-wake behaviors reported in informal, conversational interviews of caregivers of children with fetal alcohol spectrum disorder. *International Journal of Developmental Disabilities, 64*(2), 65-74. doi:10.1080/20473869.2016.1229395**

Justice

25. **Baldry, E., Briggs, D. B., Goldson, B., & Russell, S. (2018). 'Cruel and unusual punishment': An inter-jurisdictional study of the criminalisation of young people with complex support needs. *Journal of Youth Studies, 21*(5), 636-652. doi:10.1080/13676261.2017.1406072**
26. Flannigan, K., Pei, J., Burke, A., Frenzel, R., & Rasmussen, C. (2018). Neurocognitive functioning in young offenders with fetal alcohol spectrum disorder. *International Journal of Law and Psychiatry*. doi:10.1016/j.ijlp.2018.04.007
27. **Flannigan, K., Pei, J., Stewart, M., & Johnson, A. (2018). Fetal alcohol spectrum disorder and the criminal justice system: A systematic literature review. *International Journal of Law and Psychiatry, 57*, 42-52. doi:10.1016/j.ijlp.2017.12.008**

Prevalence

28. Greenmyer, J. R., Klug, M. G., Kambeitz, C., Popova, S., & Burd, L. (2018). A multicountry updated assessment of the economic impact of fetal alcohol spectrum disorder: Costs for children and adults. *Journal of Addiction Medicine, 12*(6), 466-473. doi:10.1097/adm.0000000000000438
29. May, P. A., Chambers, C. D., Kalberg, W. O., Zellner, J., Feldman, H., Buckley, D., . . . Hoyme, H. E. (2018). Prevalence of fetal alcohol spectrum disorders in 4 US communities. *JAMA, 319*(5), 474-482. doi:10.1001/jama.2017.21896

Basic Science and Epigenetics

30. Bodnar, T. S., Rainecki, C., Wartelecki, W., Yevtushok, L., Plotka, L., Zymak-Zakutnya, N., . . . Weinberg, J. (2018). Altered maternal immune networks are associated with adverse child neurodevelopment: Impact of alcohol consumption during pregnancy. *Brain, Behavior, and Immunity, 73*, 205-215. doi:10.1016/j.bbi.2018.05.004

Top FASD Articles of 2018

Research Methodology/Policy Issues

31. Anderson, T., Mela, M., & Stewart, M. (2017). The implementation of the 2012 Mental Health Strategy for Canada through the lens of FASD. *Canadian Journal of Community Mental Health, 36*(4), 69-81. doi:10.7870/cjcmh-2017-031
32. Aspler, J., Zizzo, N., Di Pietro, N., & Racine, E. (2018). Stereotyping and stigmatising disability: A content analysis of Canadian print news media about fetal alcohol spectrum disorder. *Canadian Journal of Disability Studies, 7*(3). doi:<https://doi.org/10.15353/cjds.v7i3.452>
33. Badry, D., Coons-Harding, K. D., Cook, J., & Bocking, A. (2018). Finding answers, improving outcomes: A case study of the Canada Fetal Alcohol Spectrum Disorder Research Network. *Advances in Dual Diagnosis*. doi:doi:10.1108/ADD-05-2018-0006
34. Brownell, M., Enns, J. E., Hanlon-Dearman, A., Chateau, D., Phillips-Beck, W., Singal, D., ... Roos, N. (2018). Health, social, education, and justice outcomes of Manitoba First Nations children diagnosed with fetal alcohol spectrum disorder: A population-based cohort study of linked administrative data. *The Canadian Journal of Psychiatry*. <https://doi.org/10.1177/0706743718816064>
35. Choate, P., & Badry, D. (2018). Stigma as a dominant discourse in fetal alcohol spectrum disorder. *Advances in Dual Diagnosis*. doi:doi:10.1108/ADD-05-2018-0005