

Top FASD Articles of 2016

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, and PsycInfo databases yielded over 230 articles published in 2016. 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.

Prevention

1. Charness, M. E., Riley, E. P., & Sowell, E. R. (2016). Drinking during pregnancy and the developing brain: Is any amount safe? *Trends in Cognitive Sciences*, 20(2), 80-82.
doi:10.1016/j.tics.2015.09.011
2. Eguiagaray, I., Scholz, B., & Giorgi, C. (2016). Sympathy, shame, and few solutions: News media portrayals of Fetal Alcohol Spectrum Disorders. *Midwifery*, 40, 49-54.
doi:10.1016/j.midw.2016.06.002
3. **Hussein, N., Kai, J., & Qureshi, N. (2016). The effects of preconception interventions on improving reproductive health and pregnancy outcomes in primary care: A systematic review. *European Journal of General Practice*, 22(1), 42-52. doi: 10.3109/13814788.2015.1099039**
4. May, P. A., Hasken, J. M., Blankenship, J., Marais, A. S., Joubert, B., Cloete, M., . . . Seedat, S. (2016). Breastfeeding and maternal alcohol use: Prevalence and effects on child outcomes and Fetal Alcohol Spectrum Disorders. *Reproductive Toxicology*, 63, 13-21.
doi:10.1016/j.reprotox.2016.05.002
5. McBride, N., & Johnson, S. (2016). Fathers' role in alcohol-exposed pregnancies systematic review of human studies. *American Journal of Preventive Medicine*, 51(2), 240-248.
doi:10.1016/j.amepre.2016.02.009
6. **Poole, N., Schmidt, R. A., Green, C., & Hemsing, N. (2016). Prevention of Fetal Alcohol Spectrum Disorder: Current Canadian efforts and analysis of gaps. *Substance Abuse*, 10(Suppl 1), 1-11. doi:10.4137/sart.s34545**

Intervention

7. Pei, J., Baugh, L., Andrew, G., & Rasmussen, C. (2017). Intervention recommendations and subsequent access to services following clinical assessment for Fetal Alcohol Spectrum Disorders. *Research in Developmental Disabilities, 60*, 176-186. doi:10.1016/j.ridd.2016.11.007
8. Pei, J., Flannigan, K., Walls, L., & Rasmussen, C. (2016). Interventions for Fetal Alcohol Spectrum Disorder: Meeting needs across the lifespan. *International Journal of Neurorehabilitation, 3*(1). doi:10.4172/2376-0281.1000192
9. Rutman, D. (2016). Becoming FASD informed: Strengthening practice and programs working with women with FASD. *Substance Abuse, 10*(Suppl 1), 13-20. doi:10.4137/sart.s34543
10. Rutman, D., Hubberstey, C., Poole, N., Hume, S., & Van Bibber, M. (2016). Developing and using a common framework to evaluate FASD programs: Results of a three-year Canadian project. *International Journal of Mental Health and Addiction, 14*(4), 472-482. doi:10.1007/s11469-015-9597-3
11. Wagner, B., Fitzpatrick, J., Symons, M., Jirikowic, T., Cross, D., & Latimer, J. (2016). The development of a culturally appropriate school based intervention for Australian Aboriginal children living in remote communities: A formative evaluation of the Alert Program(R) intervention. *Australian Occupational Therapy Journal*. doi:10.1111/1440-1630.12352

Assessment/Diagnosis

12. Burd, L. (2016). Fetal Alcohol Spectrum Disorder: Complexity from comorbidity. *Lancet, 387*(10022), 926-927. doi:10.1016/s0140-6736(15)01346-x
13. Caputo, C., Wood, E., & Jabbour, L. (2016). Impact of fetal alcohol exposure on body systems: A systematic review. *Birth Defects Research Part C-Embryo Today-Reviews, 108*(2), 174-180. doi:10.1002/bdrc.21129
14. Cook, J. L., Green, C. R., Lilley, C. M., Anderson, S. M., Baldwin, M. E., Chudley, A. E., . . . Rosales, T. (2016). Fetal Alcohol Spectrum Disorder: A guideline for diagnosis across the lifespan. *Canadian Medical Association Journal, 188*(3), 191-197. doi:10.1503/cmaj.141593
15. Enns, L. N., & Taylor, N. M. (2016). Factors predictive of a Fetal Alcohol Spectrum Disorder: Neuropsychological assessment. *Child Neuropsychology, 1*-23. doi:10.1080/09297049.2016.1251894
16. Panczakiewicz, A. L., Glass, L., Coles, C. D., Kable, J. A., Sowell, E. R., Wozniak, J. R., . . . Mattson, S. N. (2016). Neurobehavioral deficits consistent across age and sex in youth with prenatal alcohol exposure. *Alcoholism: Clinical and Experimental Research, 40*(9), 1971-1981. doi:10.1111/acer.13153
17. Popova, S., Lange, S., Shield, K., Mihic, A., Chudley, A. E., Mukherjee, R. A., . . . Rehm, J. (2016). Comorbidity of Fetal Alcohol Spectrum Disorder: A systematic review and meta-analysis. *Lancet, 387*(10022), 978-987. doi:10.1016/s0140-6736(15)01345-8
18. Stevens, S. A., Clairman, H., Nash, K., & Rovet, J. (2016). Social perception in children with Fetal Alcohol Spectrum Disorder. *Child Neuropsychology, 1*-14. doi:10.1080/09297049.2016.1246657
19. Tsang, T. W., Lucas, B. R., Carmichael Olson, H., Pinto, R. Z., & Elliott, E. J. (2016). Prenatal alcohol exposure, FASD, and child behavior: A meta-analysis. *Pediatrics, 137*(3), e20152542. doi:10.1542/peds.2015-2542

Caregivers/Families

20. Bobbitt, S. A., Baugh, L. A., Andrew, G. H., Cook, J. L., Green, C. R., Pei, J. R., & Rasmussen, C. R. (2016). Caregiver needs and stress in caring for individuals with Fetal Alcohol Spectrum Disorder. *Research in Developmental Disabilities, 55*, 100-113. doi:10.1016/j.ridd.2016.03.002
21. Chamberlain, K., Reid, N., Warner, J., Shelton, D., & Dawe, S. (2016). A qualitative evaluation of caregivers' experiences, understanding and outcomes following diagnosis of FASD. *Research in Developmental Disabilities, 55*. doi:10.1016/j.ridd.2016.06.007
22. Coons, K. D., Watson, S. L., Schinke, R. J., & Yantzi, N. M. (2016). Adaptation in families raising children with Fetal Alcohol Spectrum Disorder. Part I: What has helped. *Journal of Intellectual & Developmental Disability, 41*(2), 150-165. doi:10.3109/13668250.2016.1156659
23. Hundert, A. S., Huguet, A., Green, C. R., Hewitt, A. J., Mushquash, C. J., Muhajarine, N., . . . Reynolds, J. N. (2016). Usability testing of guided internet-based parent training for challenging behavior in children with Fetal Alcohol Spectrum Disorder (Strongest Families FASD). *Journal of Population Therapeutics and Clinical Pharmacology, 23*(1), e60-76.
24. Petrenko, C. L., Pandolfino, M. E., & Roddenbery, R. (2016). The association between parental attributions of misbehavior and parenting practices in caregivers raising children with prenatal alcohol exposure: A mixed-methods study. *Research in Developmental Disabilities, 59*, 255-267. doi:10.1016/j.ridd.2016.09.005

Justice

25. Currie, B. A., Hoy, J., Legge, L., Temple, V. K., & Tahir, M. (2016). Adults with Fetal Alcohol Spectrum Disorder: Factors associated with positive outcomes and contact with the criminal justice system. *Journal of Population Therapeutics and Clinical Pharmacology, 23*(1), e37-e52.
26. Pei, J., Leung, W. S. W., Jampolsky, F., & Alsbury, B. (2016). Experiences in the Canadian criminal justice system for individuals with Fetal Alcohol Spectrum Disorders: Double jeopardy? *Canadian Journal of Criminology and Criminal Justice, 58*(1), 56-86. doi:10.3138/cjccj.2014.E25

Prevalence

27. Popova, S., Lange, S., Probst, C., Parunashvili, N., & Rehm, J. (2017). Prevalence of alcohol consumption during pregnancy and Fetal Alcohol Spectrum Disorders among the general and Aboriginal populations in Canada and the United States. *European Journal of Medical Genetics, 60*(1), 32-48. doi:10.1016/j.ejmg.2016.09.010
28. Roozen, S., Peters, G. J., Kok, G., Townend, D., Nijhuis, J., & Curfs, L. (2016). Worldwide prevalence of Fetal Alcohol Spectrum Disorders: A systematic literature review including meta-analysis. *Alcoholism: Clinical and Experimental Research, 40*(1), 18-32. doi:10.1111/acer.12939

Ethics

29. Bell, E., Andrew, G., Di Pietro, N., Chudley, A. E., Reynolds, J. N., & Racine, E. (2016). It's a shame! Stigma against Fetal Alcohol Spectrum Disorder: Examining the ethical implications for public health practices and policies. *Public Health Ethics, 9*(1), 65-77. doi:10.1093/phe/phv012
30. Di Pietro, N., De Vries, J., Paolozza, A., Reid, D., Reynolds, J. N., Salmon, A., . . . Illes, J. (2016). Ethical challenges in contemporary FASD research and practice: A global health Perspective. *Cambridge Quarterly of Healthcare Ethics, 25*(4), 726-732. doi:10.1017/s096318011600044x