

Top FASD Articles of 2017

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 520 articles published in 2017 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. Cook, J. L., Green, C. R., de la Ronde, S., Dell, C. A., Graves, L., Morgan, L., . . . Wong, S. (2017). Screening and Management of Substance Use in Pregnancy: A Review. *Journal of Obstetrics and Gynaecology Canada*, 39(10), 897-905.
doi:<https://doi.org/10.1016/j.jogc.2017.07.017>
2. Hanlon-Dearman, A., Chen, M. L., & Carmichael Olson, H. (2017). Understanding and Managing Sleep Disruption in Children with FASD. *Biochemistry and Cell Biology*.
doi:10.1139/bcb-2017-0064
3. Johnson, S., Moyer, C. L., Klug, M. G., & Burd, L. (2017). Comparison of Alcohol-Related Neurodevelopmental Disorders and Neurodevelopmental Disorders Associated with Prenatal Alcohol Exposure Diagnostic Criteria. *Journal of Developmental & Behavioral Pediatrics*.
doi:10.1097/DBP.0000000000000523
4. Lynch, M. E., Kable, J. A., & Coles, C. D. (2017). Effects of prenatal alcohol exposure in a prospective sample of young adults: Mental health, substance use, and difficulties with the legal system. *Neurotoxicology and Teratology*, 64(Supplement C), 50-62.
doi:<https://doi.org/10.1016/j.ntt.2017.10.001>
5. **McLachlan, K., Paolozza, A., Kully-Martens, K., Portales-Casamar, E., Pavlidis, P., Andrew, G., . . . Rasmussen, C. (2017). Unpacking the Heterogeneity of Cognitive Functioning in Children and Adolescents with Fetal Alcohol Spectrum Disorder: Determining the Role of Moderators and Strengths. *Advances in Neurodevelopmental Disorders*, 1(4), 271-282. doi:10.1007/s41252-017-0034-4**
6. **Price, A., Cook, P. A., Norgate, S., & Mukherjee, R. (2017). Prenatal alcohol exposure and traumatic childhood experiences: A systematic review. *Neuroscience &***

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***Biobehavioral Reviews*, 80(Supplement C), 89-98.**

doi:<https://doi.org/10.1016/j.neubiorev.2017.05.018>

7. Tremblay, M., Pei, J., Plesuk, D., Muchortow, A., Mihai, P., & Jordao, R. (2017). Development of a Clinical Practice Model for Serving Clients with Fetal Alcohol Spectrum Disorder. *International Journal for the Advancement of Counselling*, 39(1), 82-97. doi:10.1007/s10447-017-9284-0

Intervention

8. Brenna, B., Burles, M., Holtslander, L., & Bocking, S. (2017). A school curriculum for Fetal Alcohol Spectrum Disorder: advice from a young adult with FASD. *International Journal of Inclusive Education*, 21(2), 218-229. doi:10.1080/13603116.2016.1193565
9. **Kendall-Taylor, N., & Fond, M. (2017). Reframing Fetal Alcohol Spectrum Disorder: Studying Culture to Identify Communication Challenges and Opportunities. *Studies in Media and Communication*, 5(2), 13. doi:10.11114/smc.v5i2.2687**
10. Kerns, K. A., Macoun, S., MacSween, J., Pei, J., & Hutchison, M. (2017). Attention and working memory training: A feasibility study in children with neurodevelopmental disorders. *Applied Neuropsychology: Child*, 6(2), 120-137. doi:10.1080/21622965.2015.1109513
11. **Millar, J. A., Thompson, J., Schwab, D., Hanlon-Dearman, A., Goodman, D., Koren, G., & Masotti, P. (2017). Educating students with FASD: linking policy, research and practice. *Journal of Research in Special Educational Needs*, 17(1), 3-17. doi:10.1111/1471-3802.12090**
12. 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
13. **Petrenko, C. L., & Alto, M. E. (2017). Interventions in fetal alcohol spectrum disorders: An international perspective. *European Journal of Medical Genetics*, 60(1), 79-91. doi:10.1016/j.ejmg.2016.10.005**
14. **Petrenko, C. L. M., Pandolfino, M. E., Quamma, J., & Carmichael Olson, H. (2017). Emotional Understanding in School-Aged Children with Fetal Alcohol Spectrum Disorders: A Promising Target for Intervention. *Journal for Population Therapeutics and Clinical Pharmacology*, 24(2), e21-e31. doi:10.22374/1710-6222.24.2.5**
15. Petrenko, C. L. M., Pandolfino, M. E., & Robinson, L. K. (2017). Findings from the Families on Track Intervention Pilot Trial for Children with Fetal Alcohol Spectrum Disorders and Their Families. *Alcoholism: Clinical and Experimental Research*, 41(7), 1340-1351. doi:10.1111/acer.13408
16. Reid, N., Dawe, S., Harnett, P., Shelton, D., Hutton, L., & O'Callaghan, F. (2017). Feasibility study of a family-focused intervention to improve outcomes for children with FASD. *Research in Developmental Disabilities*, 67, 34-46. doi:10.1016/j.ridd.2017.06.004

Prevention

17. **Aldridge, A., Dowd, W., & Bray, J. (2017). The relative impact of brief treatment versus brief intervention in primary health-care screening programs for substance use disorders. *Addiction*, 112(2), 54-64. doi: 10.1111/add.13653**
18. **Coons, K. D., Watson, S. L., Yantzi, N. M., Lightfoot, N. E., & Larocque, S. (2017). Health Care Students' Attitudes About Alcohol Consumption During Pregnancy:**

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Responses to Narrative Vignettes. *Global Qualitative Nursing Research*, 4, 2333393617740463. doi:10.1177/2333393617740463

19. Corrigan, P. W., Lara, J. L., Shah, B. B., Mitchell, K. T., Simmes, D., & Jones, K. L. (2017). The Public Stigma of Birth Mothers of Children with Fetal Alcohol Spectrum Disorders. *Alcoholism: Clinical and Experimental Research*, 41(6), 1166-1173. doi:10.1111/acer.13381
20. Hanson, J. D., Nelson, M. E., Jensen, J. L., Willman, A., Jacobs-Knight, J., & Ingersoll, K. (2017). Impact of the CHOICES Intervention in Preventing Alcohol-Exposed Pregnancies in American Indian Women. *Alcoholism: Clinical and Experimental Research*, 41(4), 828-835. doi:10.1111/acer.13348
21. Milligan, K., Usher, A. M., & Urbanoski, K. A. (2017). Supporting pregnant and parenting women with substance-related problems by addressing emotion regulation and executive function needs. *Addiction Research & Theory*, 25(3), 251-261. doi:10.1080/16066359.2016.1259617
22. **Munro, S., Hui, A., Salmons, V., Solomon, C., Gemmell, E., Torabi, N., & Janssen, P. A. (2017). SmartMom Text Messaging for Prenatal Education: A Qualitative Focus Group Study to Explore Canadian Women's Perceptions. *JMIR Public Health and Surveillance*, 3(1), e7-e7. doi:10.2196/publichealth.6949**
23. Zobotka, J., Bradley, C., & Escueta, M. (2017). "How could I have done this?" Thoughts of mothers of children with fetal alcohol syndrome. *Journal of Social Work Practice in the Addictions*, 17(3), 258-274. doi:10.1080/1533256X.2016.1243123
24. Zizzo, N., & Racine, E. (2017). Ethical challenges in FASD prevention: Scientific uncertainty, stigma, and respect for women's autonomy. *Can Journal of Public Health*, 108(4), e414-e417. doi:10.17269/cjph.108.6048

Caregivers/Families

25. **Brown, J., Kapasi, A., Nowicki, E., Cleversey, K., & Salahadin, A. (2017). Caregivers of Youth with a Fetal Alcohol Spectrum Disorder: Hopes for Them as Adults. *Advances in Neurodevelopmental Disorders*, 1(4), 230-239. doi:10.1007/s41252-017-0030-8**
26. Cleversey, K., Brown, J., & Kapasi, A. (2017). Educating adolescents with fetal alcohol spectrum disorder: Caregiver support needs. *Journal of Child and Family Studies*, 26(10), 2843-2851. doi:http://dx.doi.org/10.1007/s10826-017-0776-7
27. Kapasi, A., & Brown, J. (2017). Strengths of caregivers raising a child with foetal alcohol spectrum disorder. *Child & Family Social Work*, 22(2), 721-730. doi:http://dx.doi.org/10.1111/cfs.12288

Justice

28. Brown, J. M., Haun, J., Zapf, P. A., & Brown, N. N. (2017). Fetal Alcohol Spectrum Disorders (FASD) and competency to stand trial (CST): Suggestions for a 'best practices' approach to forensic evaluation. *International Journal of Law and Psychiatry*, 52, 19-27. doi:10.1016/j.ijlp.2017.04.002
29. Flannigan, K., Pei, J., Rasmussen, C., Potts, S., & O'Riordan, T. (2017). A Unique Response to Offenders with Fetal Alcohol Spectrum Disorder: Perceptions of the Alexis FASD Justice Program. *Canadian Journal of Criminology and Criminal Justice*, 60(1). doi:10.3138/cjccj.2016-0021.r2

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30. Longstaffe, S. E. M., Chudley, A., Harvie, M. K., Brown, T., Neault, D., & Markesteyn, T. J. (2017). The Manitoba Youth Justice Program: Empowering and Supporting FASD Affected Youth in Conflict with the Law. *Biochemistry and Cell Biology*. doi:10.1139/bcb-2017-0078
31. Tait, C. L., Mela, M., Boothman, G., & Stoops, M. A. (2017). The lived experience of paroled offenders with fetal alcohol spectrum disorder and comorbid psychiatric disorder. *Transcultural Psychiatry*, 54(1), 107-124. doi:10.1177/1363461516689216

Prevalence

32. **Popova, S., Lange, S., Probst, C., Gmel, G., & Rehm, J. (2017). Estimation of national, regional, and global prevalence of alcohol use during pregnancy and fetal alcohol syndrome: a systematic review and meta-analysis. *The Lancet Global Health*, 5(3), e290-e299. doi:10.1016/s2214-109x(17)30021-9**

Basic Science and Epigenetics

33. Liyanage, V. R., Curtis, K., Zachariah, R. M., Chudley, A. E., & Rastegar, M. (2017). Overview of the Genetic Basis and Epigenetic Mechanisms that Contribute to FASD Pathobiology. *Current Topics in Medicinal Chemistry*, 17(7), 808-828. doi: 10.2174/1568026616666160414124816

Research Methodology/Policy Issues

34. Armstrong, E. M. (2017). Making Sense of Advice About Drinking During Pregnancy: Does Evidence Even Matter? *Journal of Perinatal Education*, 26(2), 65-69. doi:10.1891/1058-1243.26.2.65
35. Ninomiya, M. E. M., & Pollock, N. J. (2017). Reconciling community-based Indigenous research and academic practices: Knowing principles is not always enough. *Social Science & Medicine*, 172, 28-36. doi:10.1016/j.socscimed.2016.11.007