FASD in North Carolina

About FASD:

Drinking alcohol during pregnancy can cause fetal alcohol spectrum disorders (FASD). FASD refers to a range of birth defects including brain injury and physical, behavioral and intellectual disabilities.^{1, 2} There is no cure for FASD.

FASD is 100% preventable with the right information and support.³

FASD can be prevented by not drinking any alcohol during pregnancy.⁴ There is no known safe amount or type of alcohol during pregnancy.

This message is shared by all major health groups:

- Centers for Disease Control (CDC)⁵
- American Academy of Pediatrics⁶
- American College of Obstetricians and Gynecologists (ACOG)⁷
- U.S. Surgeon General⁸
- World Health Organization 9

FASD by the numbers:

- As many as 1 in 20 children in the United States has an FASD.¹⁰
- FASD costs more than \$23,000 per person per year.11
- In North Carolina, 57% of women drank alcohol before becoming pregnant. 12
 - 7.3% continued drinking during pregnancy.¹³
 - This means an estimated 8,628 babies are born in NC with alcohol exposure each year.¹⁴
- In North Carolina, 41% of pregnancies are unplanned.
 - Most people do not find out they are pregnant until at least four weeks into the pregnancy. They may drink alcohol during that time without knowing they are pregnant. This exposure to alcohol can affect how the fetus develops.
- 68% of women in North Carolina did not receive preconception health information from their health care provider.¹⁶
- About half (47%) of doctors in North Carolina did not talk with their patients about abstaining from alcohol during pregnancy.

Everyone plays a role in preventing FASD:

- If you can become pregnant, talk with your care provider about preventing an alcohol exposed pregnancy.
- If you are a health care provider, take every opportunity to have conversations with patients about alcohol use before and during pregnancy.
- Become an advocate for change as it relates to alcohol policies in your community and state.
- Learn more about FASD and how you can support those impacted by this disorder at proofalliancenc.org.

Sources:

- 1. Subramoney S, Eastman E, Adams C, Stein DJ, Donald KA. The early developmental outcomes of prenatal alcohol exposure: A review. Frontiers in Neurology. 2018;9.
- 2. Lebel C, Roussotte F, Sowell ER. Imaging the impact of prenatal alcohol exposure on the structure of the developing human brain. Neuropsychol Rev. 2011;21:102-118.
- 3. Hubberstey C, Rutman D, Hume S, Van Bibber M, Poole N. Toward an Evaluation Framework for Community- Based FASD Prevention Programs. Canadian Journal of Program Evaluation. 2015;30(1):79-89.
- 4. Roozen S, Peters G-JY, Kok G, et al. Systematic literature review on which maternal alcohol behaviours are related to fetal alcohol spectrum disorders (FASD). BMJ Open. 2018;8:e022578.
- 5. Centers for Disease Control and Prevention. Fetal Alcohol Spectrum Disorders (FASDs). https://www.cdc.gov/ncbddd/fasd/alcohol-use.html
- 6. American Academy of Pediatrics. AAP Says No Amount of Alcohol Should Be Considered Safe During Pregnancy.
- https://www.aap.org/en-us/about-the-aap/aap-press-room/Pages/AAP-Says-No-Amount-of-Alcohol-Should-be-Considered-Safe-During-Pregnancy.aspx
- 7. American College of Obstetricians and Gynecologists (ACOG). Fetal alcohol spectrum disorders (FASD) prevention program.
- https://www.acog.org/About-ACOG/ACOG-Departments/Tobacco--Alcohol--and-Substance-Abuse/Fetal-Alcohol-Spectrum-Disorders-Prevention-Program
- 8. Centers for Disease Control and Prevention. Notice to Readers: Surgeon General's Advisory on Alcohol Use in Pregnancy. https://www.cdc.gov/mmwr/preview/mmwrhtml/mm5409a6.htm
- 9. World Health Organization. Counting the costs of drinking alcohol during pregnancy. Bulletin of the World Health Organization. 2017;95:320-321.
- 10. May et al. Prevalence of Fetal Alcohol Spectrum Disorders in 4 US Communities. JAMA. 2018;319(5):474-482.
- 11. Greenmyer JR et al. A multicountry updated assessment of the economic impact of fetal alcohol spectrum disorder: Costs for children and adults. Journal of Addiction Medicine. 2018;12(6):466-473.
- 12. North Carolina State Center for Health Statistics. 2020 North Carolina Pregnancy Risk Assessment Monitoring System Survey Results.
- 13. North Carolina State Center for Health Statistics. 2020 North Carolina Pregnancy Risk Assessment Monitoring System Survey Results.
- 14. North Carolina State Center for Health Statistics, 2020 totals births in North Carolina X percentage of pregnancies exposed to alcohol in North Carolina. (116,755 births x 0.0739 exposure rate = 8628)
- 15. North Carolina State Center for Health Statistics. 2020 North Carolina Pregnancy Risk Assessment Monitoring System Survey Results.
- 16. North Carolina State Center for Health Statistics. 2020 North Carolina Pregnancy Risk Assessment Monitoring System Survey Results.
- 17. North Carolina State Center for Health Statistics. 2018 BRFSS survey results: North Carolina.

Created in partnership with Proof Alliance.

Proof Alliance NC is funded in whole or in part and/or supported by the NC Department of Health and Human Services, Division of Mental Health, Developmental Disabilities and Substance Abuse Services, awarded by the Substance Abuse and Mental Health Services Administration, Prevention and Treatment Block Grant (CFDA # 93.959).(2023)