

Current Knowledge & Gaps in Care for Infants with NAS

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Young N, et al. Substance-Exposed Infants: State Responses to the Problem. Rockville, MD: Substance Abuse and Mental Health Services Administration;2009.





NEONATAL ABSTINENCE SYNDROME

- A withdrawal syndrome experienced by drug exposed newborns after birth
- Generally follows opioid exposure, though other drugs have been implicated
 - Alcohol, benzodiazepines (valium, etc.), barbiturates (phenobarbital, etc.)
- 40-80% of methadone exposed newborns develop NAS
 - ~5% of those exposed to opioid pain relievers

















Maalouf, F.I., Cooper, W.O., Slaughter, J.C., Dudley, J., & Patrick, S.W. (2018). Outpatient Pharmacotherapy for Neonatal Abstinence Syndrome. The Journal of Pediatrics, 7(1). Funding: NIH National Institute on Drug Abuse Grant K23DA038720.

WHAT DOES OPTIMAL DISCHARGE LOOK LIKE?

Starts with training/bonding during the birth hospitalization

- Breastfeeding
- Engaging family
- Assesses family needs/follow-up
- Assesses other risks, including HCV

Considers post-discharge needs

- Home Visitation
- Child Welfare
- IDEA Part C (Early Intervention)
- More frequent pediatrician follow-up
- Coordinate with maternal treatment

IMPROVING DISCHARGE







8







POSSIBILITIES

- Standardize definitions, beginning with NAS
- Improve inpatient tools for diagnosis and treatment
- Use data to standardize the discharge process, fill in gaps
 - Developmental follow-up
 - Early Intervention
 - Other common co-morbidities for mom and baby (e.g., mental health, HCV)
- Early identification of developmental risks
 - Developmental readiness, ready to learn
- Connection with providers, resources, schools • Improved health
- Data harmonization as a tool to break siloes

SUMMARY

- Pregnant women and infants affected by opioids face a system that contains gaps
 - Standardization
 - Coordination
- There is a substantial need for improved data coordination from pregnancy through childhood
- This process could also lead to improvements in case definitions and a common language

Questions?

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