

IMPACT WV

Understanding

Neonatal Abstinence Syndrome (NAS)

Understanding Neonatal Abstinence Syndrome (NAS)

The Centers for Disease Control and Prevention (CDC) defines NAS as a group of conditions that can occur when newborns withdraw from certain substances, including opioids, that they were exposed to before birth.

Common signs of NAS:

- Tremors
- Irritability
- Seizures
- Vomiting
- Diarrhea
- Fever
- Poor feeding
- Overactive reflexes
- Breathing problems

Signs vary based on:

- What kind of substance was used
- How long the substance was used
- How the mother processes the substance
- How far along the pregnancy was when baby was born

Incidence rate of NAS among live births for West Virginia residents:

5.06%

Wetzel

6.71%

Marion

6.58%

Harrison

7.64%

Ohio

6.99%

Marshall

10.21%

Monongalia

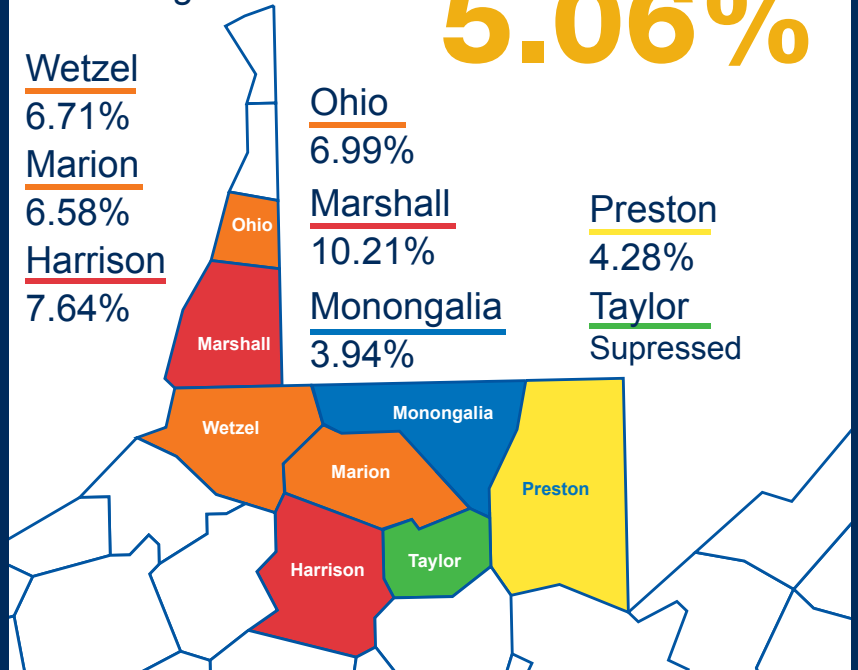
3.94%

Preston

4.28%

Taylor

Supressed



Babies with NAS are at a higher risk for:



- Being born underweight
- Developing jaundice
- Motor issues
- Developmental delays
- Speech and language problems
- Behavior and learning problems
- Sudden Infant Death Syndrome (SIDS)



Understanding Neonatal Abstinence Syndrome (NAS)



In 2020, West Virginia reported the highest NAS exposure rate at 88.1 per 1,000 births.

Substances that lead to NAS include:

- Amphetamines
- Buprenorphine
- Codeine
- Heroin
- Oxycodone
- Hydrocodone
- Morphine
- Methadone
- Alcohol
- Barbiturates
- Benzodiazepines
- Nicotine

Babies with NAS frequently need extra soothing and comfort.

4moms MamaRoo Multi-Motion Baby Swing

The MamaRoo swing:

- Eases withdrawal symptoms by reducing irritability and promoting sleep
- Mimics natural movements like rocking and swaying
- Calms and comforts with gentle, continuous movement
- Includes various motion settings and built-in sounds



For more information visit impact.cedwvu.org

Sources:

Centers for Disease Control and Prevention. (2024, May 15). About opioid use during pregnancy.

Centers for Disease Control and Prevention. <https://www.cdc.gov/opioid-use-during-pregnancy/about/index.html>

Mamaroo® Multi-Motion Baby Swing® Chair with natural motion: 4moms®. 4moms.com. (n.d.). <https://www.4moms.com/products/mamaroo>

This product was supported by a grant to the WVU Center for Excellence in Disabilities from the Federal Office of Rural Health Policy (FORHP), Health Resources and Services Administration (HRSA), U.S. Department of Health and Human Services (HHS) under grant #1 G26RH49921-01-00. The information, conclusions and opinions expressed in this product are those of the authors and no endorsement by FORHP, HRSA, or HHS is intended or should be inferred. WVU is an EEO/Affirmative Action Employer Minority/Female/Disability/Veteran.