



FIMR

An initiative of



Northeast Florida

Healthy Start

COALITION, INC.

FIMR

Project Impact Update 2024

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What is Infant Mortality?

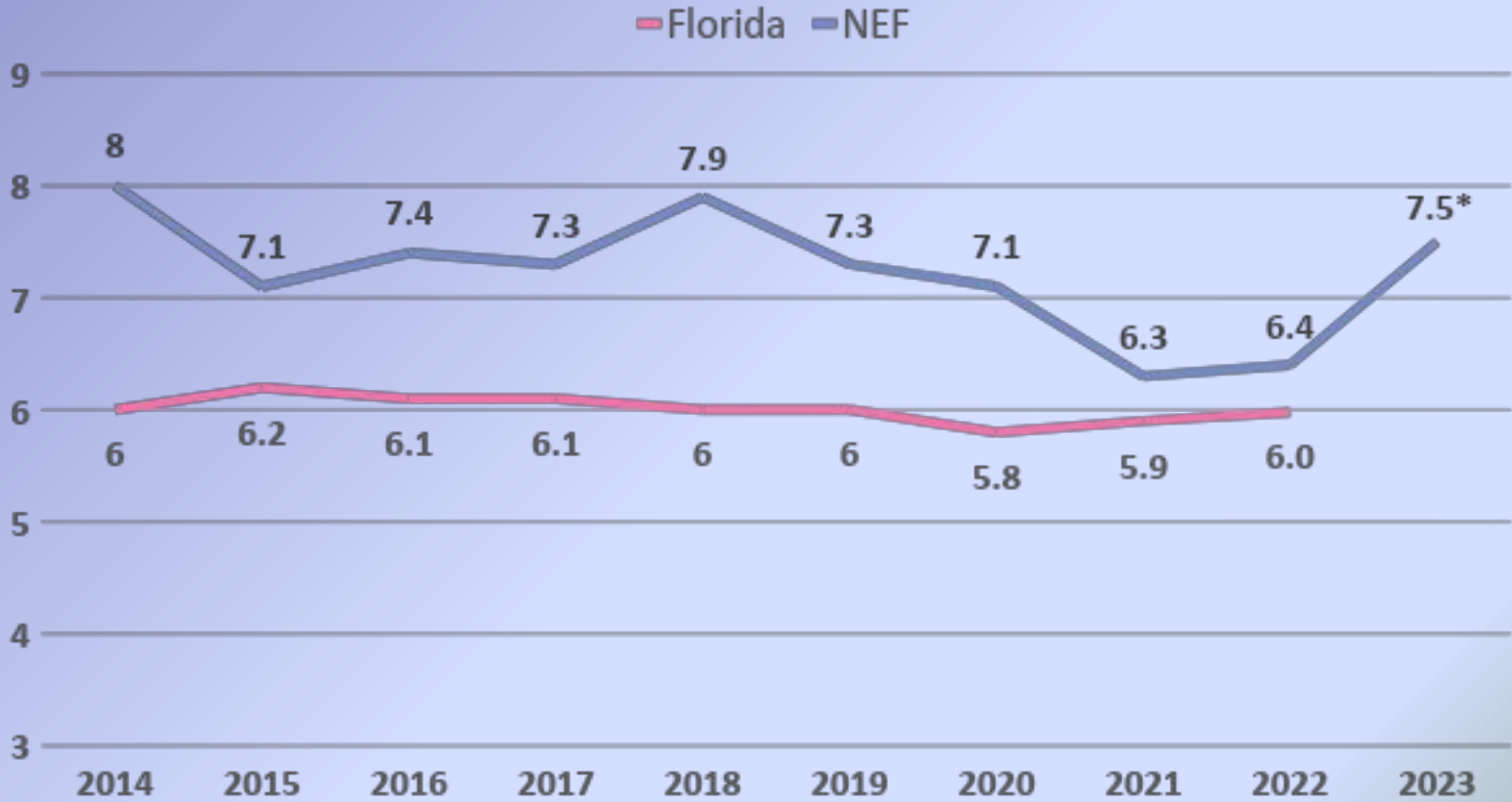
The death of a baby before his or her first birthday.

“...is an important *indicator of a nation’s health and well being* and is often seen *as a marker for social progress and human development*”

GK Singh, SM Yu

Infant Mortality Rates

Per 1,000 Live Births



Leading Causes of Infant Mortality

Northeast Florida, per 1,000 Live Births



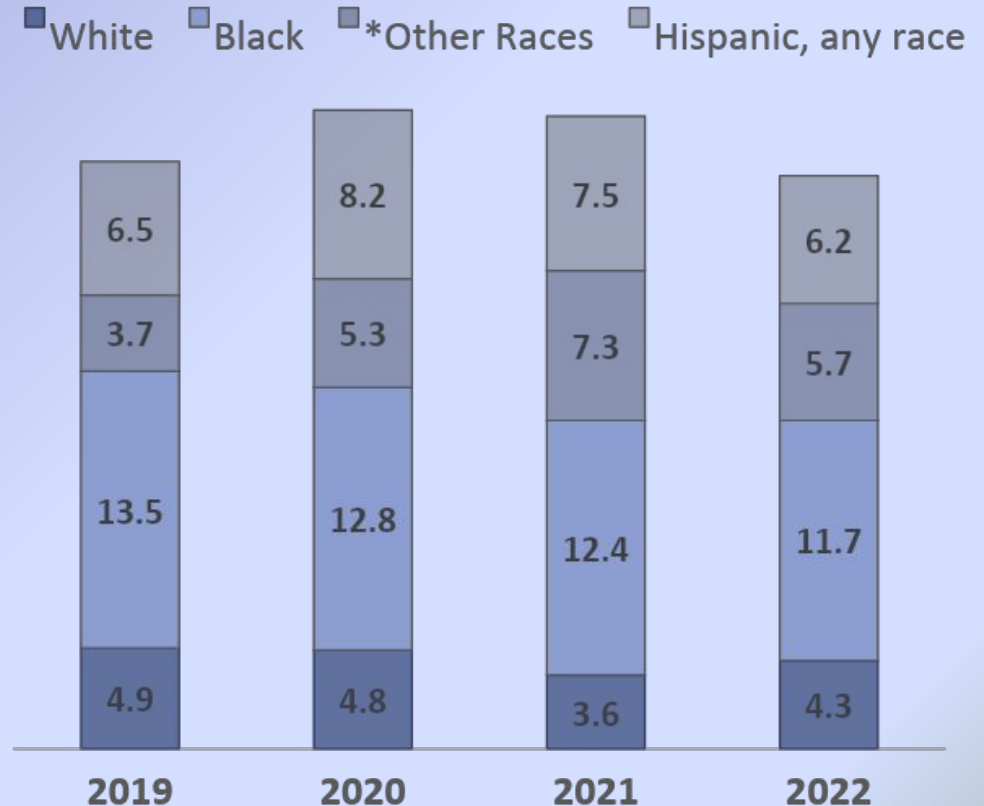
**Disorders related to short gestation and low birth weight not elsewhere classified



Infant Mortality and Disparities

per 1,000 live births

In 2022
infant mortality ratios
were more than
2.5 times
higher for Black women than
for White women
&
Almost **1.5 times**
higher for Hispanic women
AND women of other races*
than for White women



*American Indian, Chinese, Japanese, Hawaiian, Filipino, Korean, Other races, Vietnamese, Asian Indian, Asian Other, Guam, Samoan, Other Pacific Islander, Multi-race

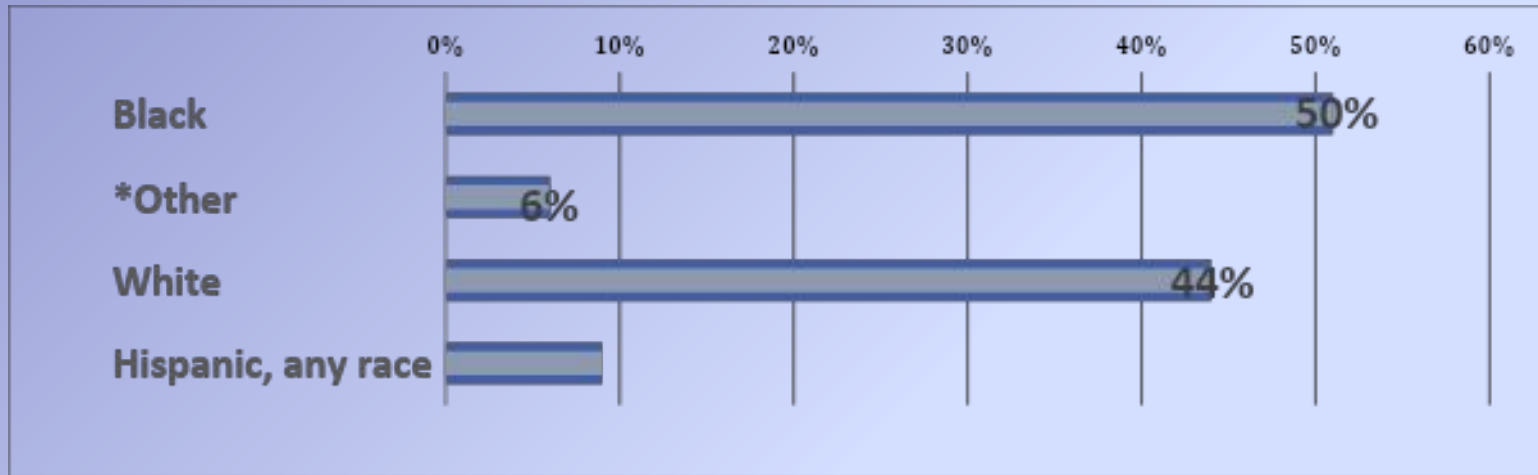
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Fetal and Infant Mortality Review

“Through comprehensive multidisciplinary review of fetal and infant deaths, **identify** significant health, social, economic, safety, and other **issues** that may have impacted the poor birth outcome”.

“a **community-based** and **action-oriented** process to improve service systems and resources for women, infants, and families”

Cases Reviewed 2019-2023 (n=162)



CAUSE OF DEATH (INFANTS) (cases reviewed) n=125

Prematurity	43%
Sleep Related	25%
Congenital	6%
Other/Undetermined	26%

CAUSE OF DEATH (FETAL) (cases reviewed) n=37

Maternal Disease	43%
Substance Use	27%
Other	11%
Unknown	19%

*American Indian, Chinese, Japanese, Hawaiian, Filipino, Korean, Other races, Vietnamese, Asian Indian, Asian Other, Guam, Samoan, Other Pacific Islander, Multi-race

Maternal Factors

2019-2023 (n=162)



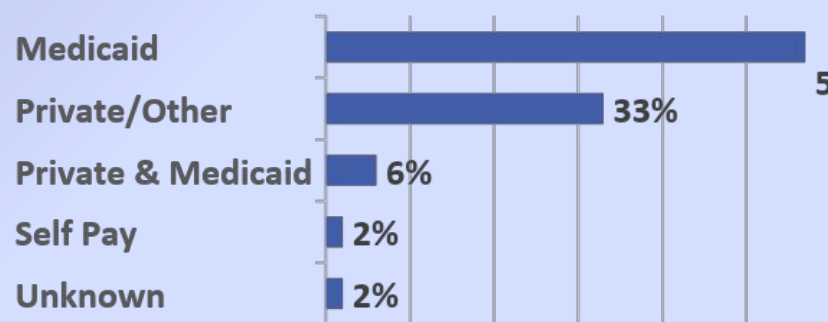
Educational Attainment

	Mother*	Father*
<High School	24%	17%
High School	60%	61%
College	16%	22%
Unknown	1%	51%

* Of those whose status is known

Payment for Care

(during pregnancy)



65% of those with a known pregnancy intention were unplanned
Of those, **38%** used substances during that pregnancy and
12% have experienced IPV

22% 3rd trimester or no prenatal care
44% Birth spacing < 18 months
48% Had stressors during pregnancy
30% Substance use during pregnancy

Maternal Factors: Chronic Conditions 2019-2023 (n=162)

CHRONIC CONDITIONS	
Chronic Hypertension	17%
Diabetes	12%
Asthma	10%
Obesity (Total)	38%
<i>Class 1</i>	17%
<i>Class II</i>	12%
<i>Class III</i>	9%

49% had at least ONE chronic condition

14% had more than one chronic condition

Those with hypertension

71% were obese

54% developed pre-eclampsia

32% 3rd trimester entry or no prenatal care



Stress as a Chronic Condition

2019-2023 (n=162)

48% **Reported stressors during pregnancy**

28% Childhood victims of maltreatment

29% Related to finances and employment

20% Reported intimate partner violence (before, during, and/or after pregnancy)

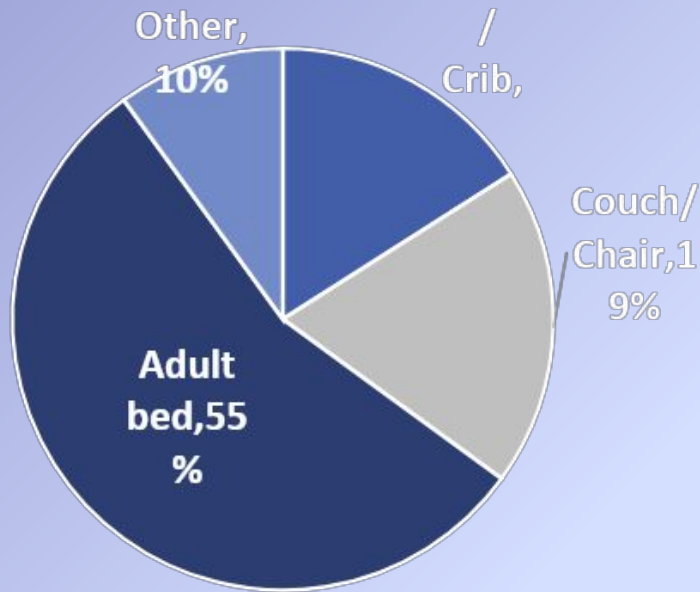
16% Reported housing instability

8% Reported stress related to an unplanned pregnancy



Sleep Related Deaths Reviewed 2019-2023 (n-31)

SLEEP SURFACE



26%

Did not have stable housing at the time of the infant's death

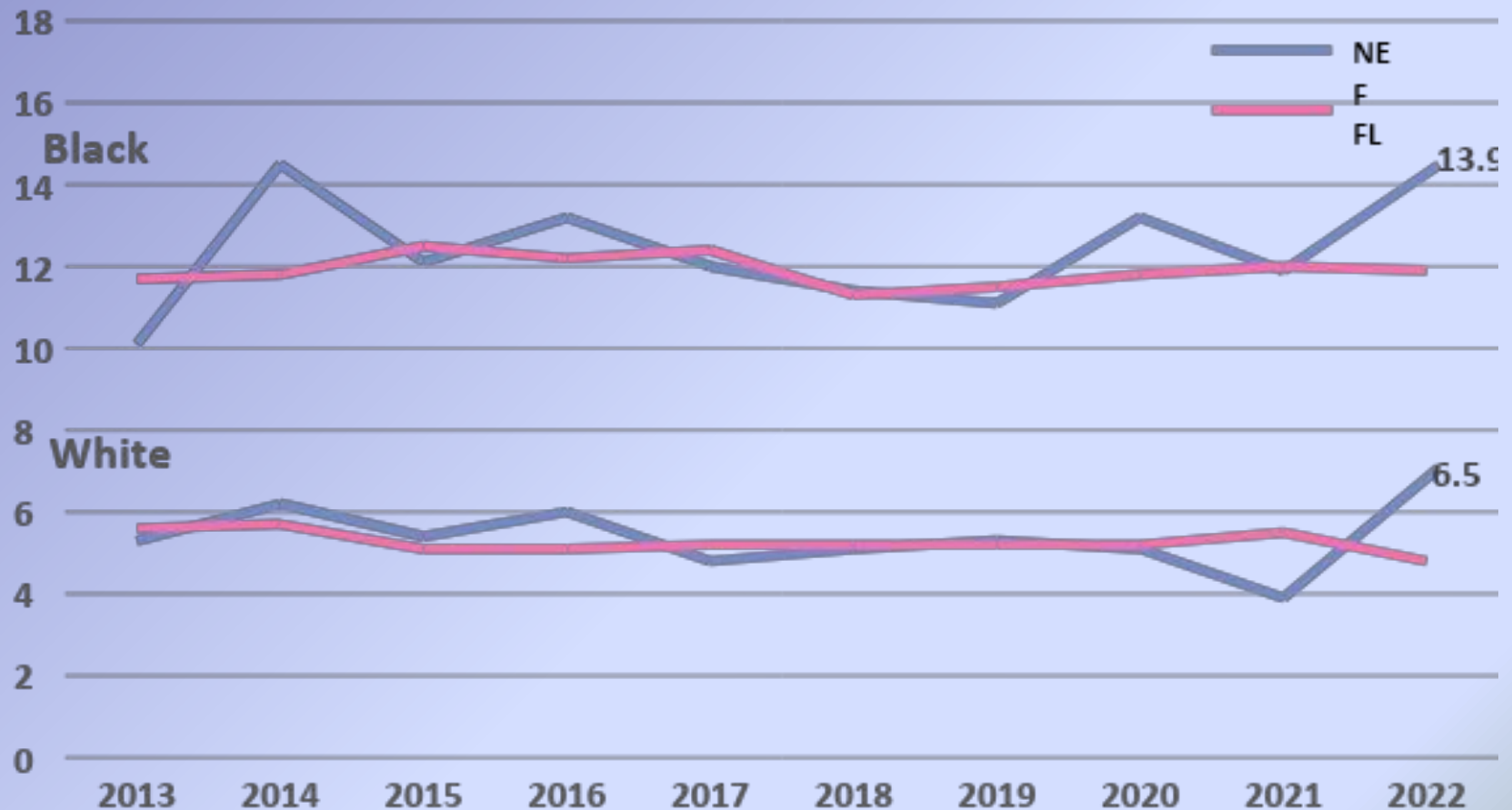
ENVIRONMENT

- 39%** Overcrowded living situation
- 29%** Had at least 3 other children
- 16%** No safe sleep surface for infant
- ALL** but 1 infant who was on a safe sleep surface had objects in their sleep environment

HAZARDS

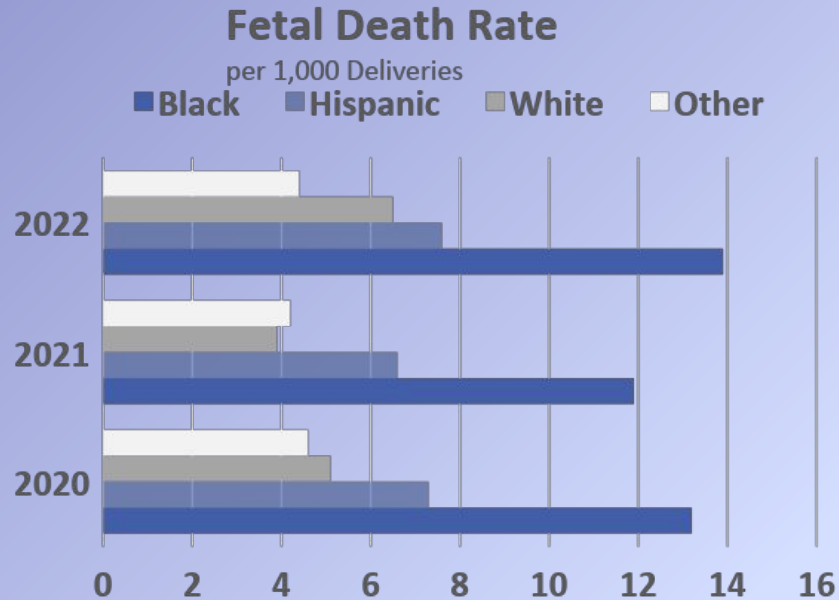
- 84%** Sleeping on an unsafe surface
- 94%** Objects in the bed, including adults, blankets and pillows
- 35%** Infant not placed on their back

Fetal Deaths by Race (per 1,000 deliveries) (stillborn at greater than 20 weeks of pregnancy)



Fetal Deaths Reviewed

2019-2023 (n=37)



Causes of Fetal Deaths Reviewed	
Maternal Disease	43%
Substance Use	27%
Other	11%
Unknown	19%

32% > 36 weeks gestation

61% Pregnancy unplanned

19% No prenatal care

27% Positive for drugs

43% Reported stress (jobs, finances)

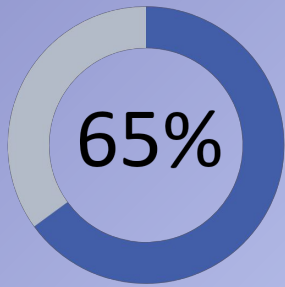
27% High blood pressure

32% Obese BMI

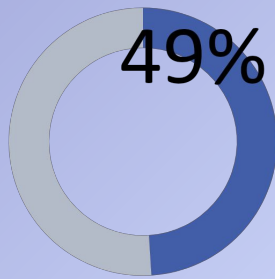
NEF has a **significant** Black to White disparity in the number of fetal deaths

Fetal and Infant Mortality Case Review

Contributing Factors (n=162)

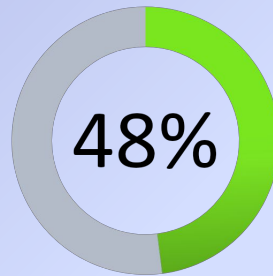


Unplanned Pregnancy
(of those whose intention was known)

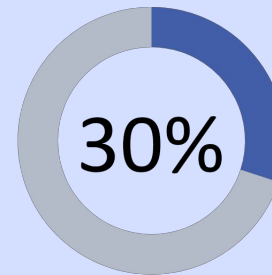


Chronic Condition

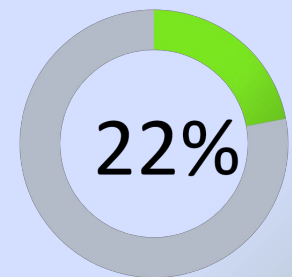
- Asthma
- HTN
- Diabetes
- Obesity



Stressors During Pregnancy

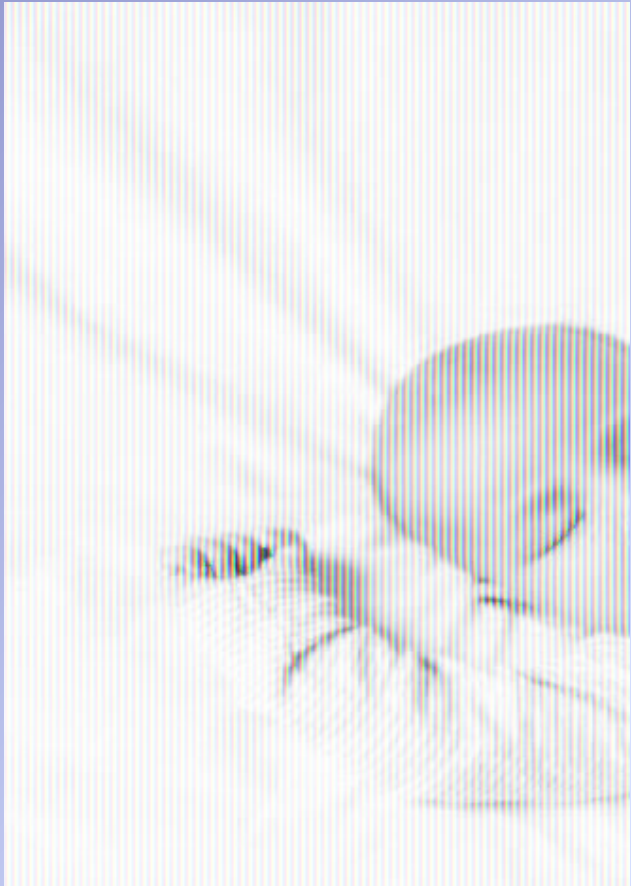


Substance Use
(except tobacco)



3rd trimester entry or no prenatal care

Decrease sleep-related infant deaths in Northeast Florida by 10%



- Increase awareness of the causes of sleep-related deaths by the dissemination of educational materials and training to hotel/motel personnel, daycare staff, homeless shelters, churches, and nontraditional agencies to reach target audience.
- Encourage fathers to engage in safe sleep and infant safety education programs.

Improve the health of women of childbearing age

through the creation of medical home models that address social determinants of health, toxic stress, health and nutrition



- Address women's health through the life course (before, during and after pregnancy)
- Increase the awareness of the value of home visitation to parents, families and community members as a prevention strategy to reduce poor birth outcomes, promote infant/child health, and foster child development.

Integrate at least three policies into local government to address social determinants of health that affect Black infant mortality.



- Collaborate with the Department of Justice to implement a transition plan from their health system to Medicaid for pregnant women.

2024-2025

FIMR CASE REVIEW TEAM

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There is no foot ^{too}
small

that it cannot leave an

imprint

on this

WORLD