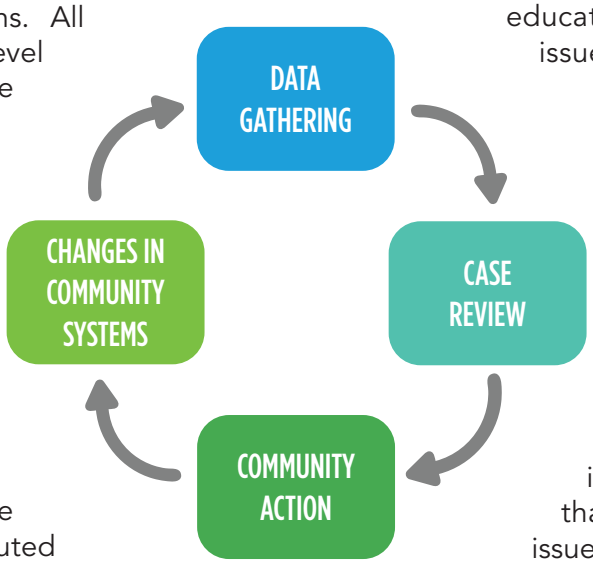
Florida Healthy Start
Broward Healthy Start Coalition

FETAL AND INFANT MORTALITY REVIEW PROGRAM 2020 ANNUAL REPORT

ABOUT THE FETAL AND INFANT MORTALITY REVIEW PROGRAM

Fetal and Infant Mortality Review (FIMR) is a community-based, action-oriented process to review fetal and infant deaths and make recommendations to spark systemic changes to prevent future similar deaths. All FIMR teams operate at the local level (usually the county) to examine medical, non-medical, and systems-related factors and circumstances contributing to fetal and infant deaths.

Among the various types of fatality reviews, the FIMR approach is unique because cases are de-identified; they may include a family interview to determine the family's perspective on factors that may have contributed to the infant's life and death; and many of the teams have a Community Action Group (CAG) that, after completion of the review, works to take the case review team's recommendations to action.

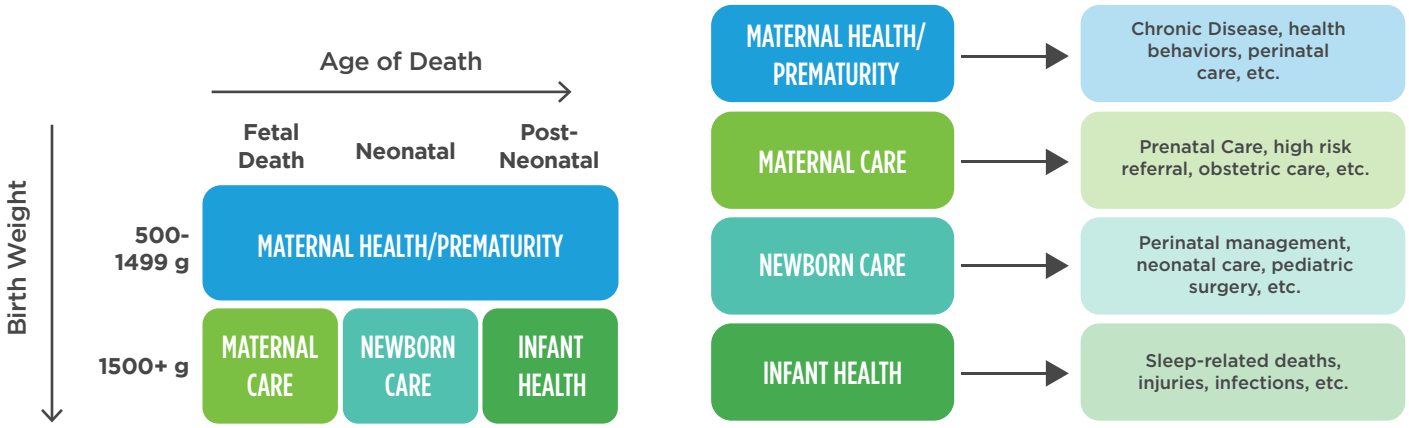


The purpose of FIMR's Case Review team is to conduct comprehensive multidisciplinary review of fetal and infant deaths to understand how a wide array of local social, economic, public health, educational, environmental and safety issues relate to the tragedy of infant loss; and use the findings to take action that can prevent other infant deaths and improve the systems of care and resources for women, infants, and families.

Fetal and infant mortality are important indicators of the health of a community. Fetal and infant deaths are sentinel events that illustrate system and resource issues. Understanding and addressing infant mortality concerns in our community can be challenging, however it is one of the most important things that can be done to improve the overall health of our population.

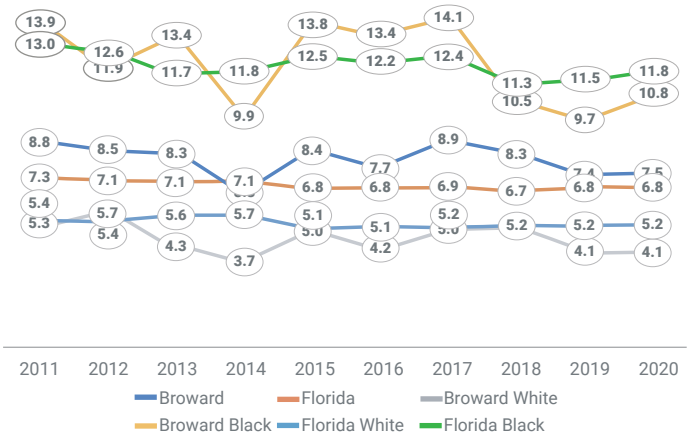
In Broward County in 2020, there were 87 fetal deaths and 101 infant deaths. 28 cases were selected systematically using the Perinatal Period of Risk Process (PPOR). The PPOR process identifies groups and periods of risk with the most deaths and the highest rates.

Each period of risk is associated with its own set of risks and prevention factors. Cases may seem oversampled in the maternal health/prematurity and maternal care categories; however, this is because they reflect higher rates of fetal/infant mortality.



Fetal Mortality

Stillbirths-after 20 weeks gestation (Rate per 1,000 Deliveries)

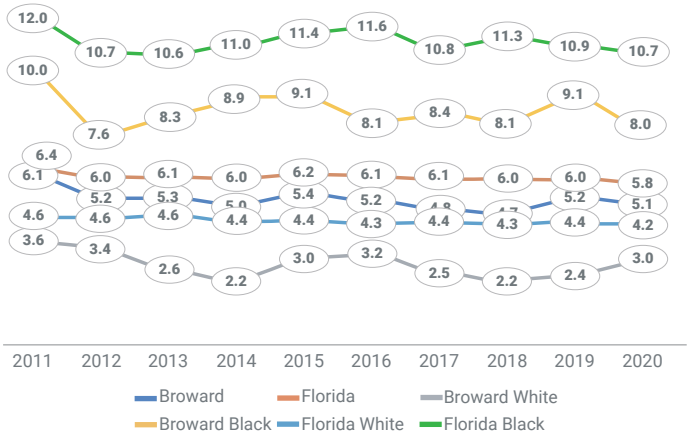


Fetal Mortality in Broward County

The rate of Broward Fetal Mortality (stillbirths-after 20 weeks gestation) were NOT statistically significantly different than the State of Florida in 2020. The Healthy People 2030 goal for fetal mortality is 5.7 per 1,000 live births.

Infant Mortality

(0-364 days from birth; Rate per 1,000 Live Births)



Infant Mortality in Broward County

The rate of Broward Infant Mortality (deaths that occur from after birth up to 364 days) has been **statistically significantly lower** than the Florida rates of infant mortality. The Healthy People 2030 goal for infant mortality is 5.0 per 1,000 live births.

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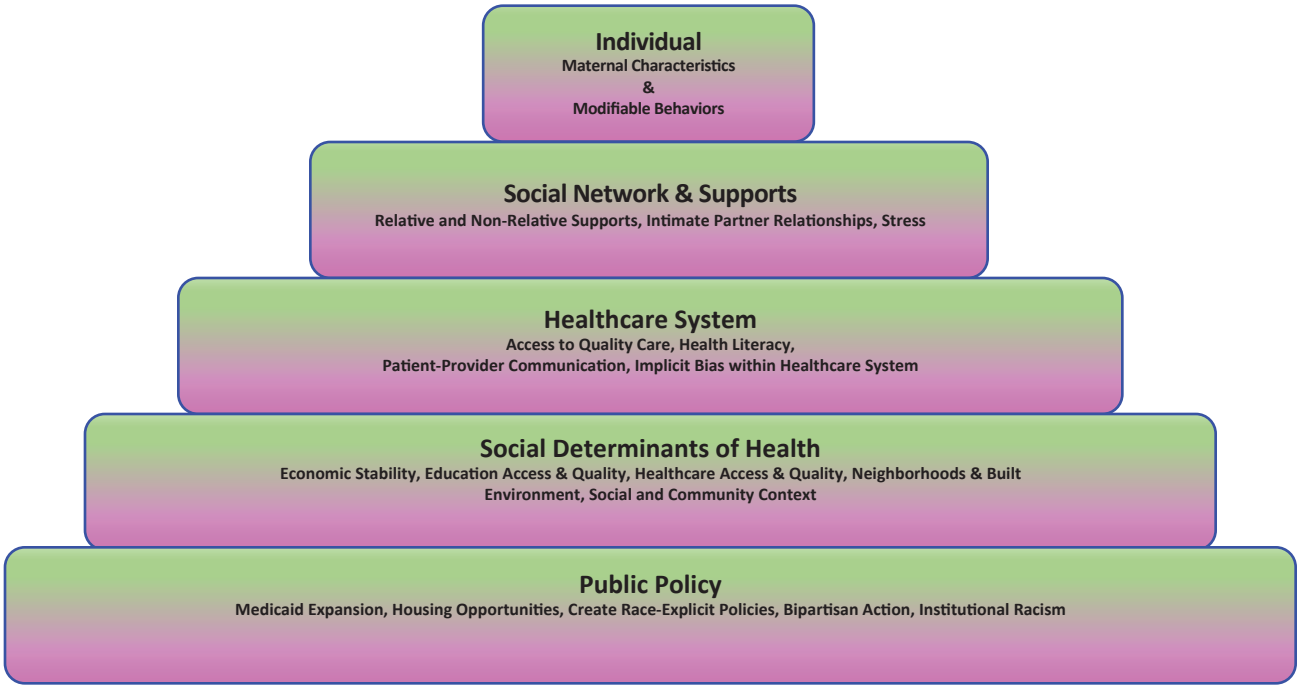
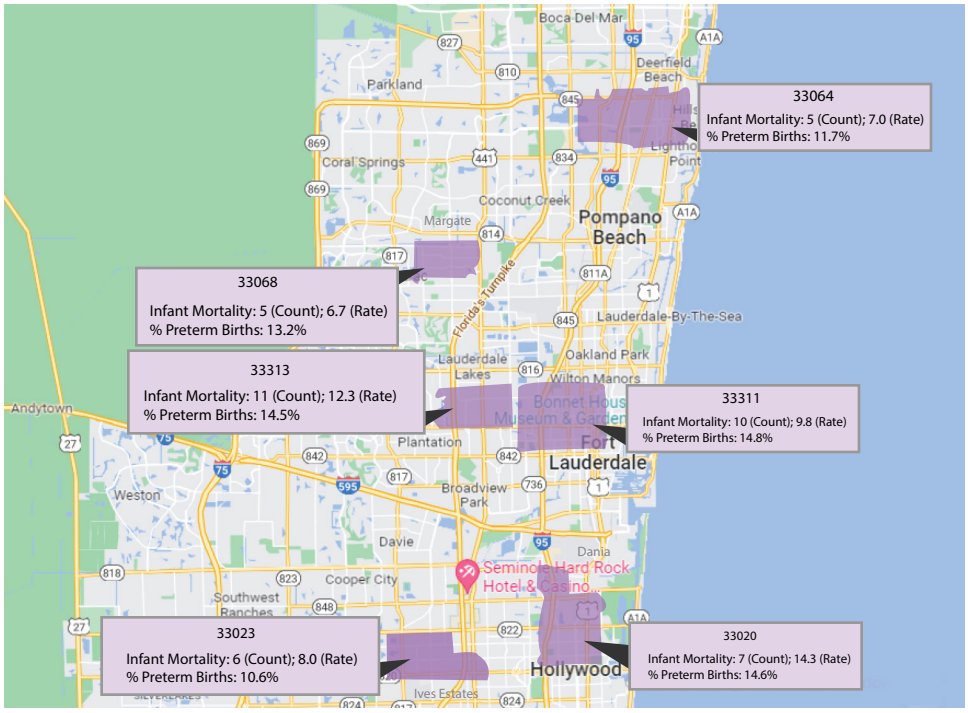
The 5-Level Socio-Ecological Model to Examine Individuals, Communities, and the Systems in Between

Our community stakeholders work to develop strategies that promote well-being and improve community health.



These 6 zip codes represent those with the highest rates of infant mortality and preterm birth in 2020 in Broward County.



CASE REVIEW TEAM FINDINGS

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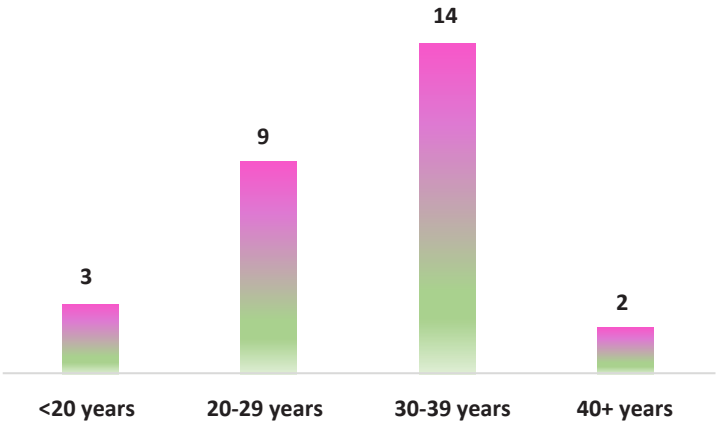
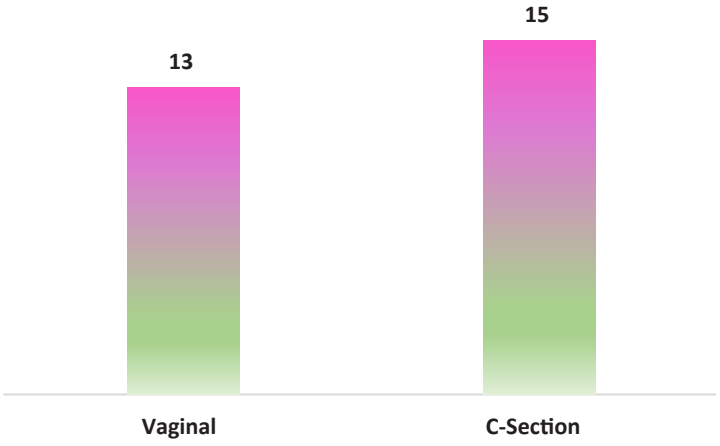
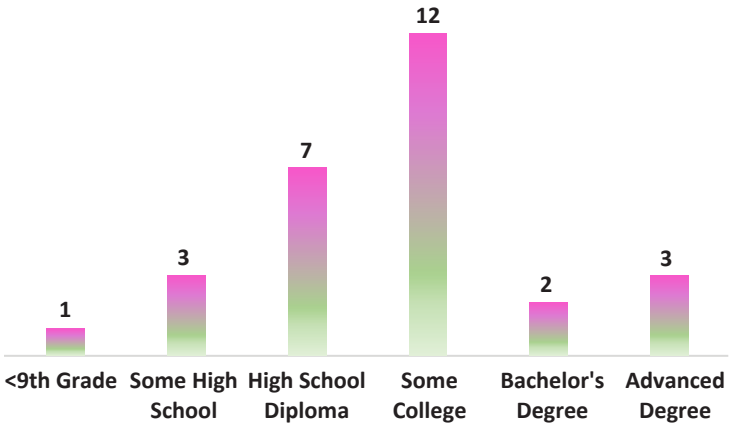
Maternal Age



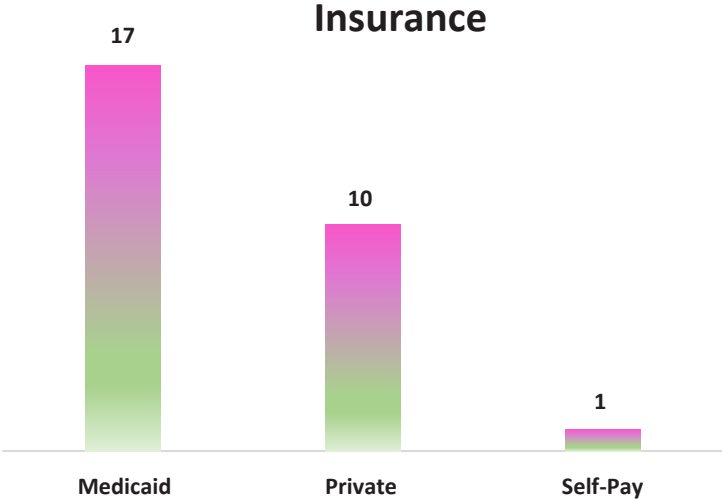
Mode of Delivery



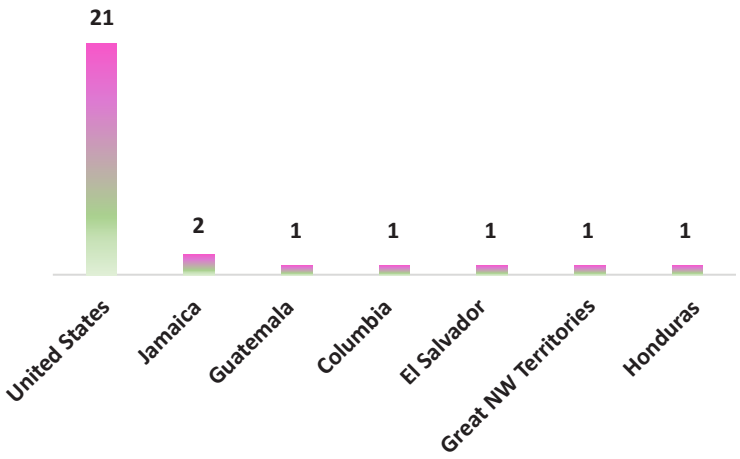
Education



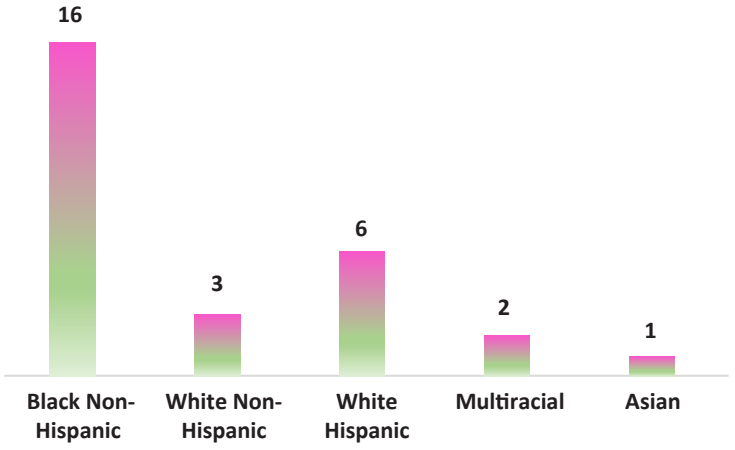
Insurance



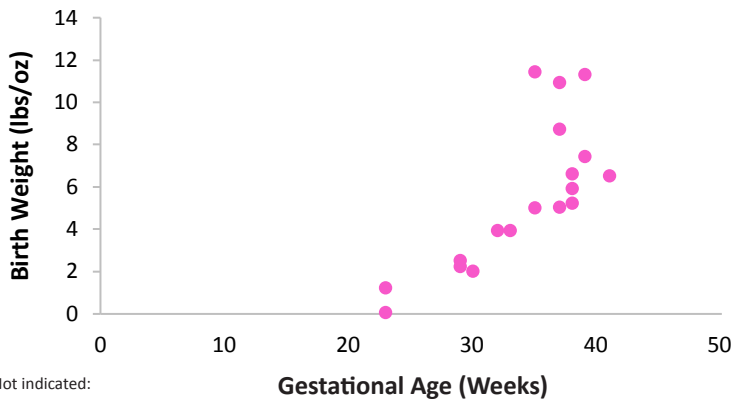
Navitity



Race/Ethnicity

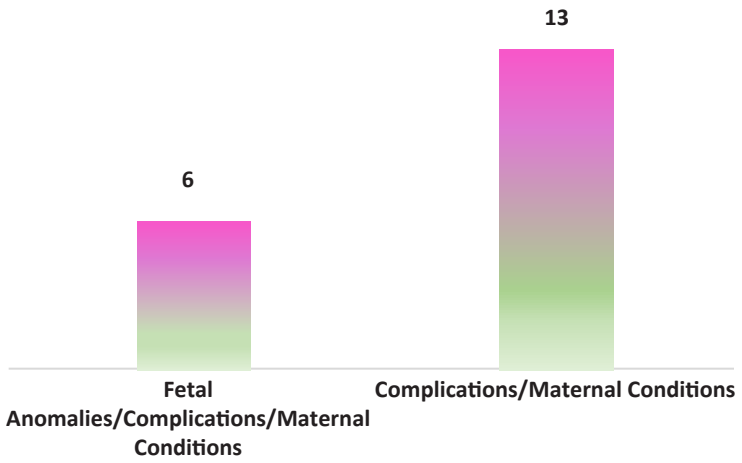


Gestational Age and Birth Weight: Fetal

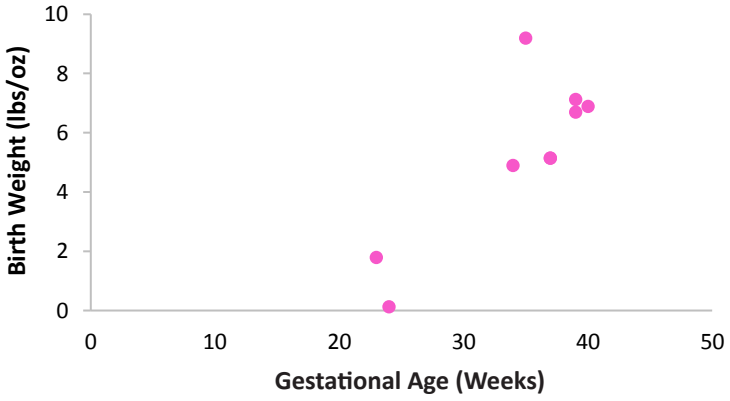


Not indicated:
37 weeks, weight unknown

Cause of Death: Fetal

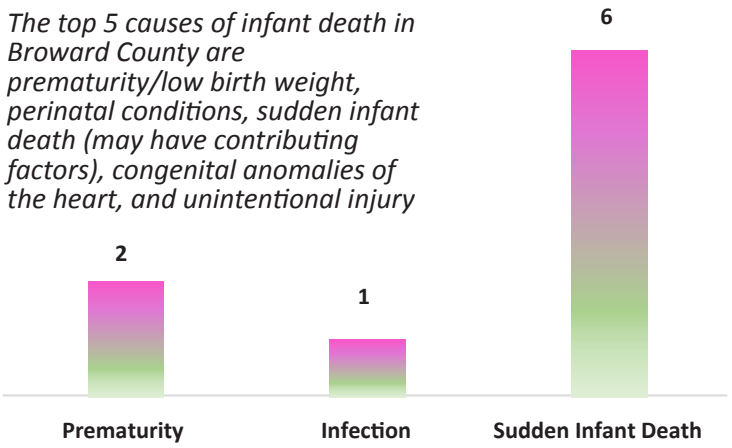


Gestational Age and Birth Weight: Infant

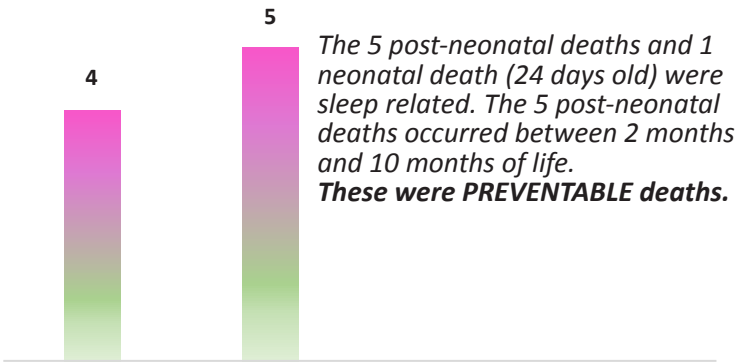


Cause of Death: Infant

The top 5 causes of infant death in Broward County are prematurity/low birth weight, perinatal conditions, sudden infant death (may have contributing factors), congenital anomalies of the heart, and unintentional injury

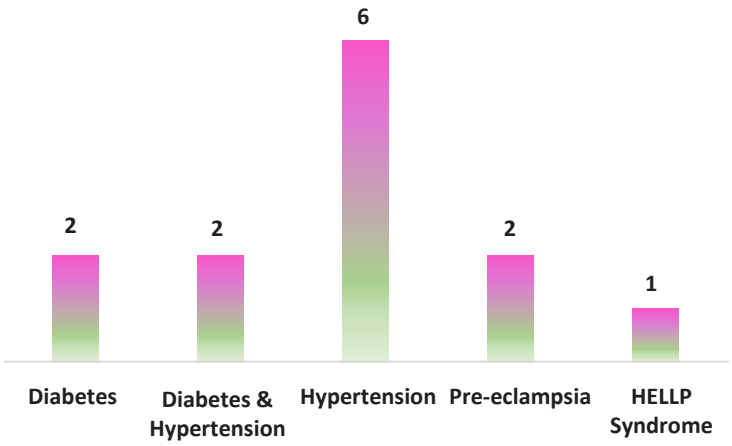


Infant Deaths



The 5 post-neonatal deaths and 1 neonatal death (24 days old) were sleep related. The 5 post-neonatal deaths occurred between 2 months and 10 months of life.
These were PREVENTABLE deaths.

Maternal Conditions



RECOMMENDATIONS FROM THE CRT

- Educate parents on breastfeeding while using illicit substances; not to breastfeed while using Marijuana
- Hospital referral for home visiting when there is a baby born exposed to substances
- Education on the importance of preconception health and inter-pregnancy care
- Early, consistent, and adequate prenatal care
- Bereavement referral to be completed for all families
- Healthy Start risk screening to be completed for all patients
- Maternal substance use screening to be completed by all providers
- Maternal mental health screening to be completed by all providers throughout pregnancy
- Ongoing substance use education by prenatal providers, with appropriate referral
- Home visiting services be provided to assist in the engagement of mothers with prenatal appointments and plan of care
- Ongoing education, especially in the third trimester, on signs of when to immediately seek medical attention
- More effective communication from providers to patients
- Referrals made during pregnancy for substance use and mental health diagnoses
- Updated contacts for service options for patients
- Kick count education throughout entire pregnancy
- Follow AAP safe sleep recommendations
- Developmental milestone education for parents
- Pediatric records reflect if parents are educated on AAP safe sleep recommendations
- Education on thirdhand smoke
- More and complete records be presented by providers
- Education on hypertensive disorders during pregnancy

CASE REVIEW TEAM MEMBERS

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The FIMR Program is funded by the Florida Department of Health and administered by Broward Healthy Start Coalition.

For more information on the FIMR Program visit us at www.browardhsc.org