

Ohio Equity Institute

Communities Driving Change



Cleveland-Cuyahoga Partnership

- Led by Cuyahoga County Board of Health and City of Cleveland Department of Public Health
 - Established county-wide partnership in 2014
 - Utilizing Perinatal Periods of Risk analysis, determined maternal health/prematurity as strategic priority
 - Implemented strategies to address prematurity



Cleveland Cuyahoga Ohio Equity Institute

strategies to reduce prematurity

System wide policy/practice changes

- Address policy within clinical institutions to increase same day access to contraception
- Increase capacity to offer CenteringPregnancy to pregnant women
- Increase utilization of 17P

Increase support for mom during pregnancy

- Establish county-wide home visitor training to ensure consistent messaging and resource awareness
- Integrate MCH related programming to maximize service delivery
- Raise awareness in the community



Collective Impact

(Cleveland-Cuyahoga Ohio Equity Institute)



Policy and systems changes



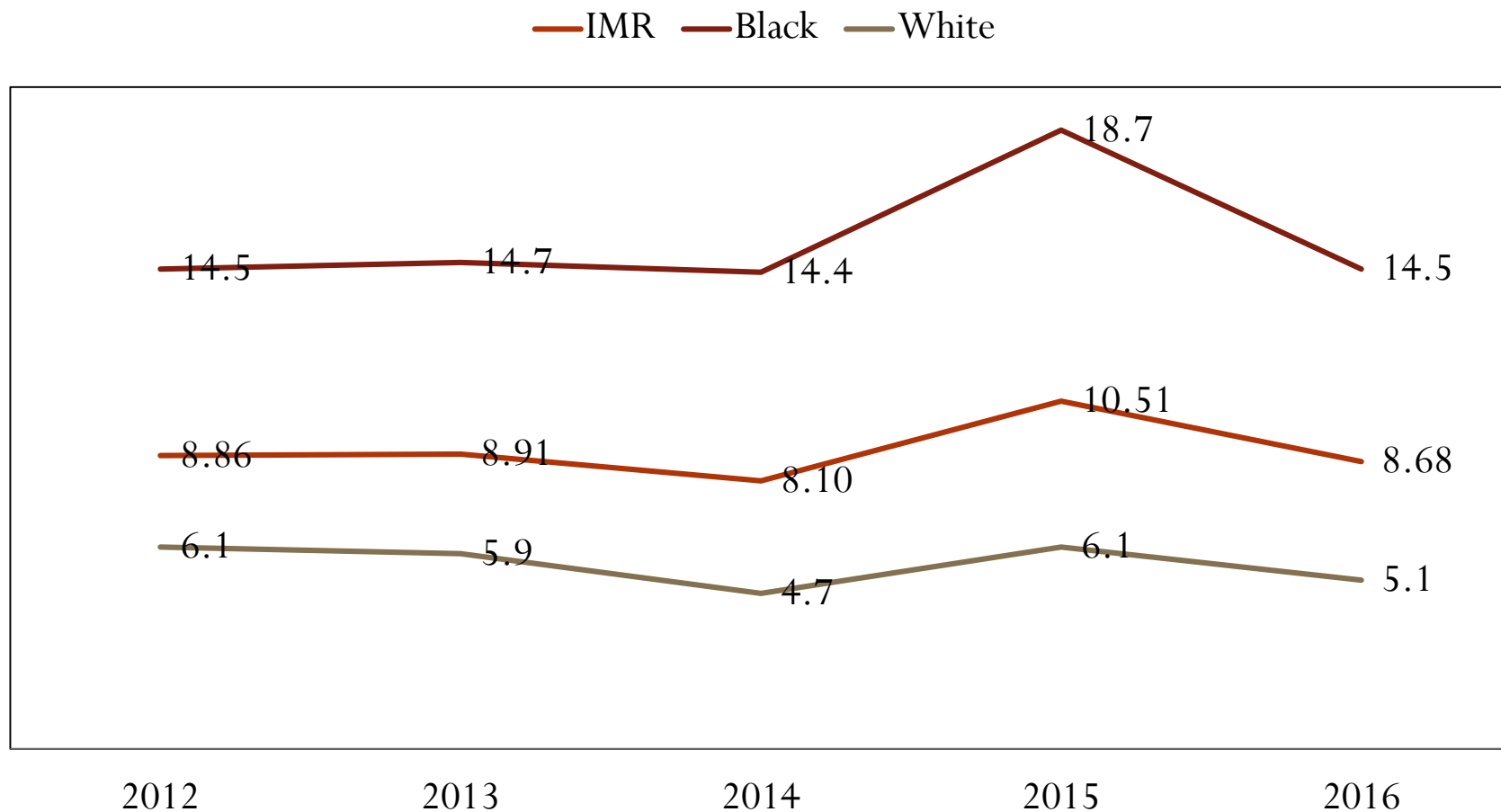
- 0% → **90%** capacity (clinics able to provide same-day insertion of LARCs)
- **100%** of local hospital systems and FQHCs are providing evidence-based group prenatal care

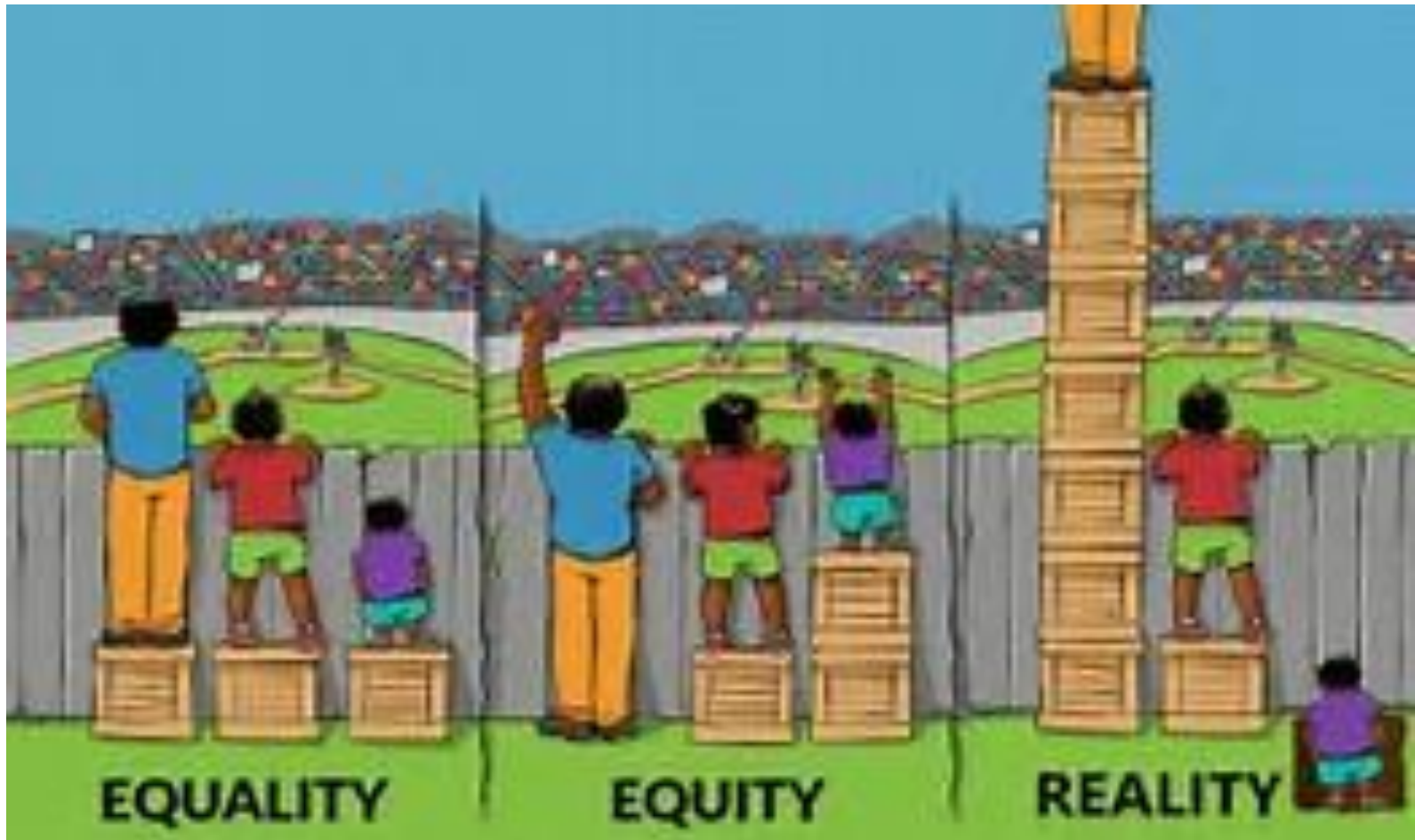
HUGE!

Support for families

- Over 1,300 attended One Life Community Events
- 4 home visitor trainings averaging **130** attendees at each session
- Medicaid funding increased capacity of home visiting programs

2012 – 2016 Cuyahoga County Infant Mortality Rate





Place Based efforts

- Identify and implement **community driven strategies** to improve birth outcomes
 - Recruitment and engagement of community members to inform the work
 - Utilize Collective Impact model through Collective Impact Learning Collaborative (CILC)



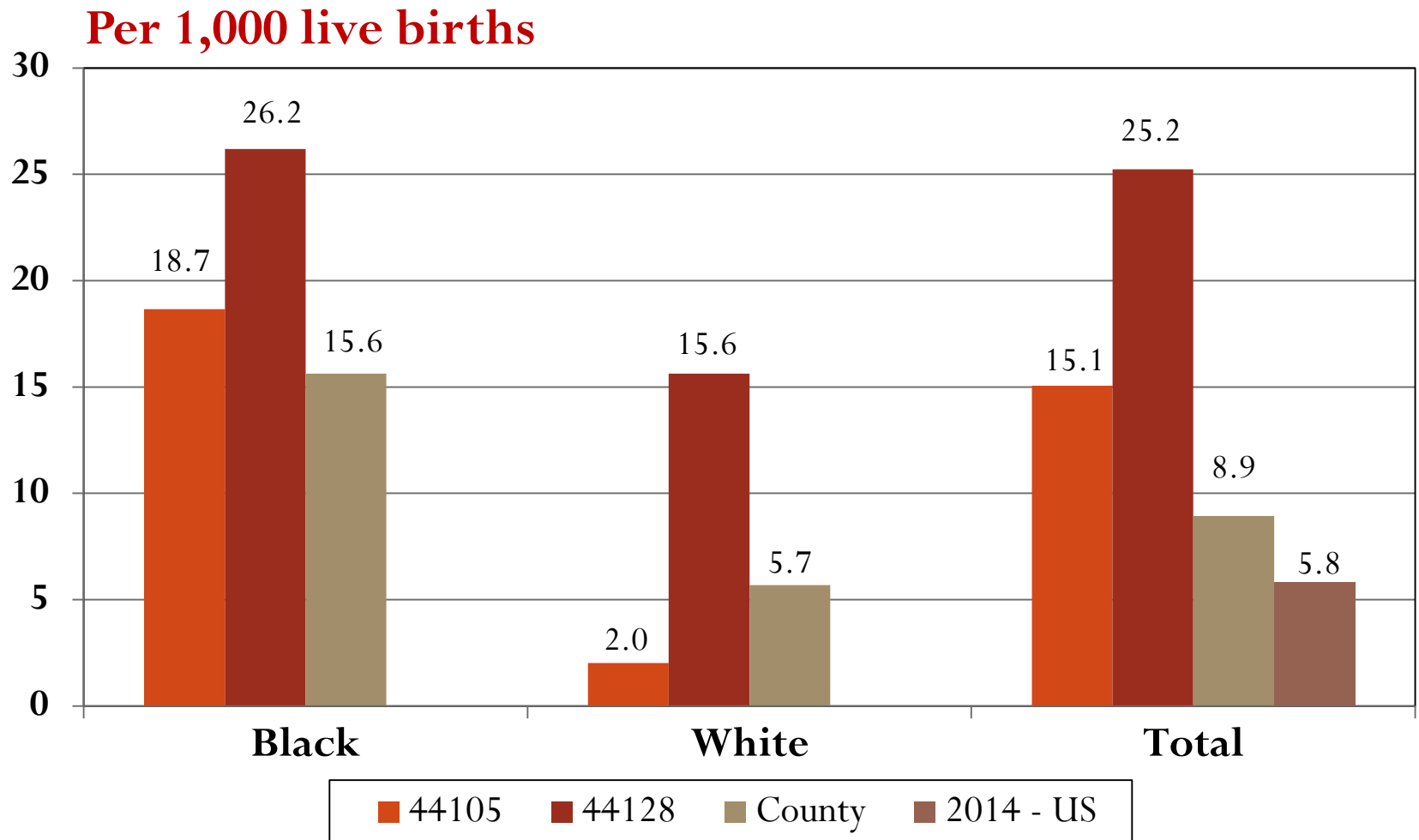
OHIO INSTITUTE FOR EQUITY IN BIRTH OUTCOMES



every baby deserves a 1st birthday

Infant Mortality Rate by Race by Zip code

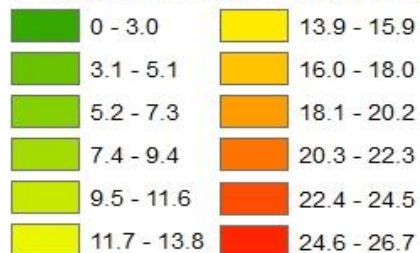
2010-2014 5-Year ACS – Census Data



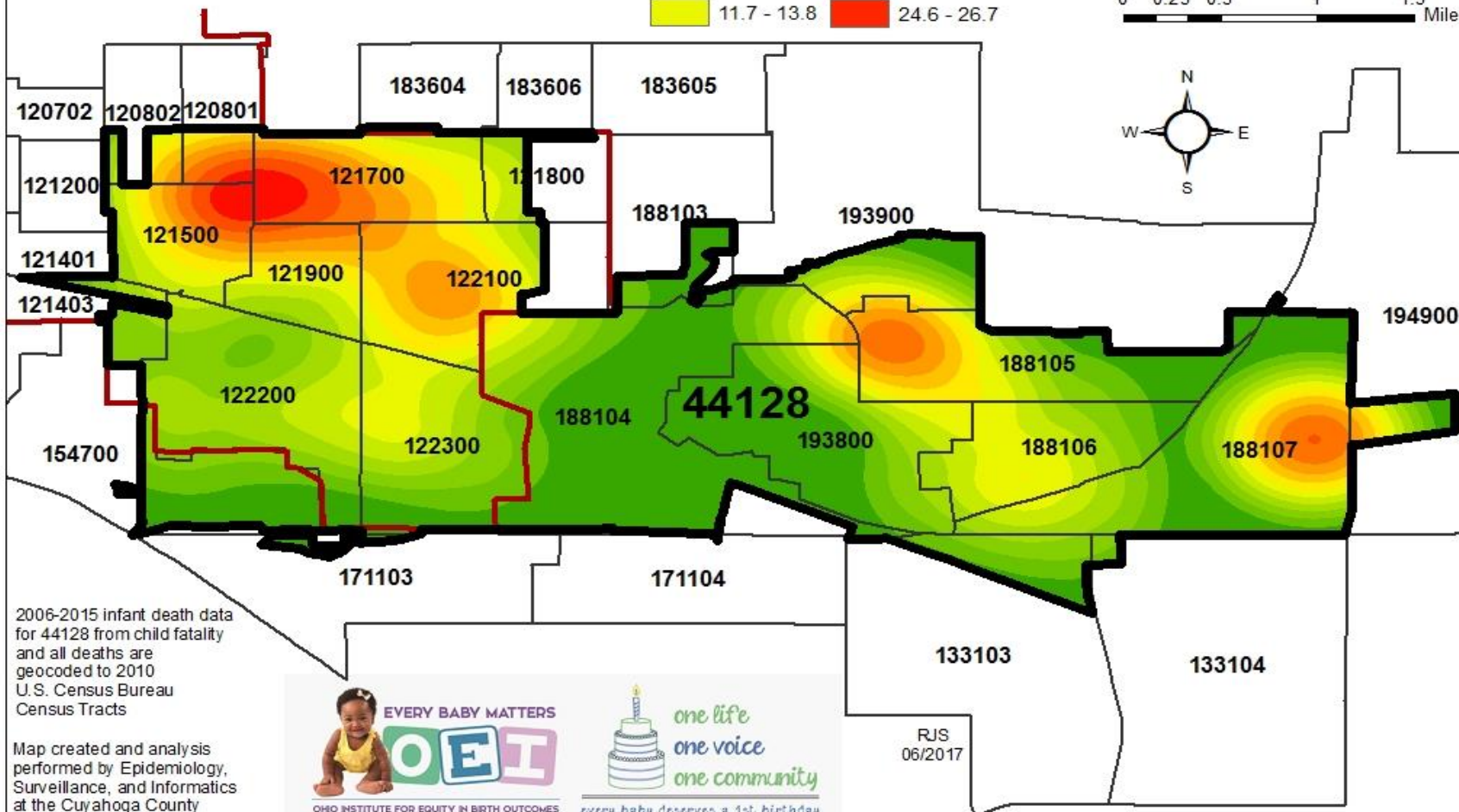
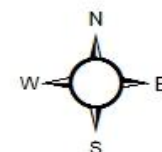
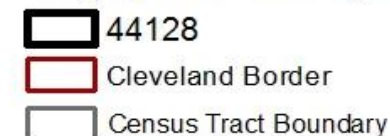
Infant Death "Hot Spots" for 44128 2006 - 2015 Infant Deaths Cuyahoga County, OH

Hot Spot Areas - (more than 20 infant deaths per square mile over a 10 year time period)

Infant Deaths per Square Mile



Geographic Boundary



44128 One Community strategies

- Community Building Events
- Partnership with Faith Based Institutions to increase breastfeeding rates
- Advocate for labor and delivery services for residents in 44128 and surrounding communities



44128 Infant Death Count by Race, 2010-2018

	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
Black	7	6	11	11	9	8	6	0	6	64
White	0	0	0	0	1	0	0	0	0	1
Total	7	6	11	11	10	8	6	0	6	65

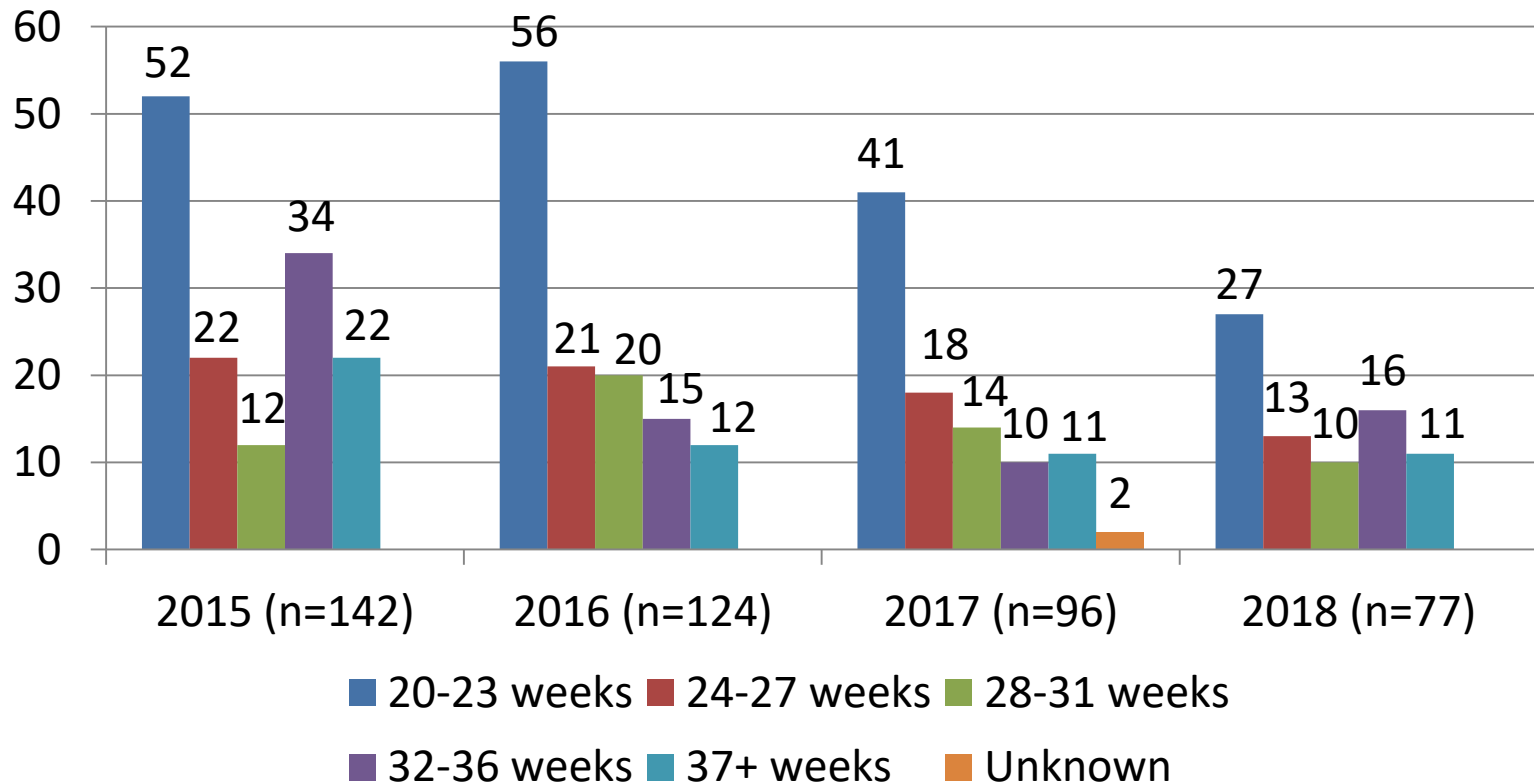
- From 2010 to 2016, 44128 averaged more than 8 infant deaths per year
- In 2017, 0 infant deaths!

Fetal Infant Mortality Review

- **Fetal and Infant Mortality Review (FIMR)** is an **action-oriented evidence based community review process** that reviews fetal and infant deaths, works at the community level to formulate programs and influence policy that will lead to improving birth outcomes.

Cuyahoga County Fetal Data

- Gestational Age of Fetal Deaths (2015-2018) [n=439]



Cuyahoga County FIMR Cases Reviewed:

- 55 Cases Reviewed (35 had Family Interviews)

Type

- 32 Fetal
- 23 Infant

Insurance

- 31 Medicaid
- 24 Private

Race

- 24 Black
- 24 White
- 2 Hispanic
- 5 Other

A mother's experience


- “I met with one mother who had recently lost her baby in the third trimester. She and her partner were so excited to meet this baby and she had taken great care in making it to all her prenatal appointments. She lived on the east side. One evening she started feeling sudden and intense contractions. She knew something was not right. They debated calling 911, but they lived within 5 minutes of an emergency room and decided to drive themselves. Unfortunately, unbeknownst to her, this emergency room was not connected to a labor and delivery hospital and she was experiencing a true pregnancy emergency. The emergency room staff didn't have all the specialized training and equipment that a labor and delivery hospital has. Mom reported that the ED was timing her contractions with the nurse's wrist watch and trying to find the baby's heartbeat with a stethoscope. She had to be transferred to a labor and delivery hospital. Her baby was lost during this time. She'll never be the same... and I'd venture to say that the emergency room staff will never be the same either.”

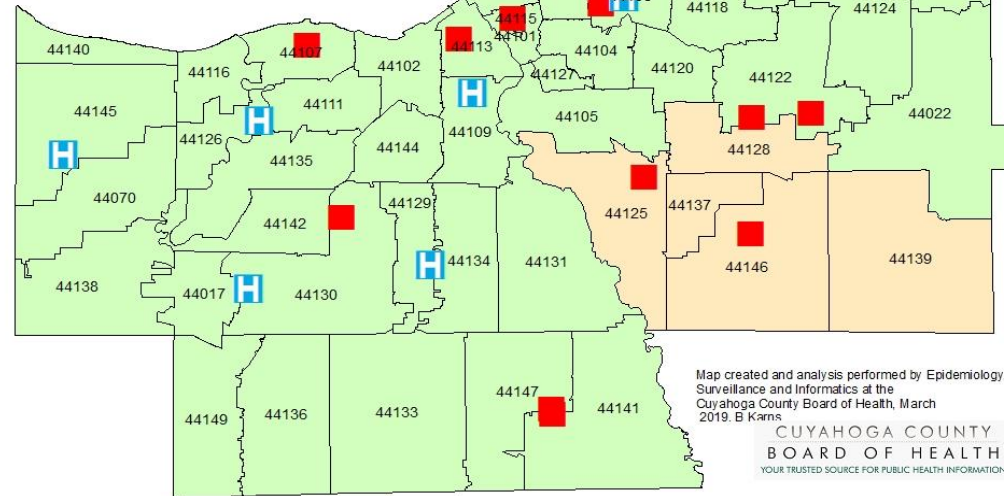
2018 Recommendations

- Promote good patient/provider communication including when to go to the hospital due to symptoms.
- Improve access to Labor and Delivery Hospital Care for pregnant moms in the southeast part of Cuyahoga County (44125, 44128, 44137, 44139, & 44146 zip codes).

Hospitals in Cuyahoga County in 2019

Legend

-  Labor and Delivery Hospital (L&D)
-  Emergency Rooms with no L&D Services
-  Southeast Quadrant Zip Codes
-  Cuyahoga County Zip Codes



- In 2018:
 - 28% of labor and delivery services on the county's east side
 - 48.5% of births occur on county's east side
 - 58.3% of infant deaths occur county's east side

Labor and Delivery Hospitals that Serve Cuyahoga County Women in 2016 with Infant Mortality Hotspot Locations in Zip Code 44128

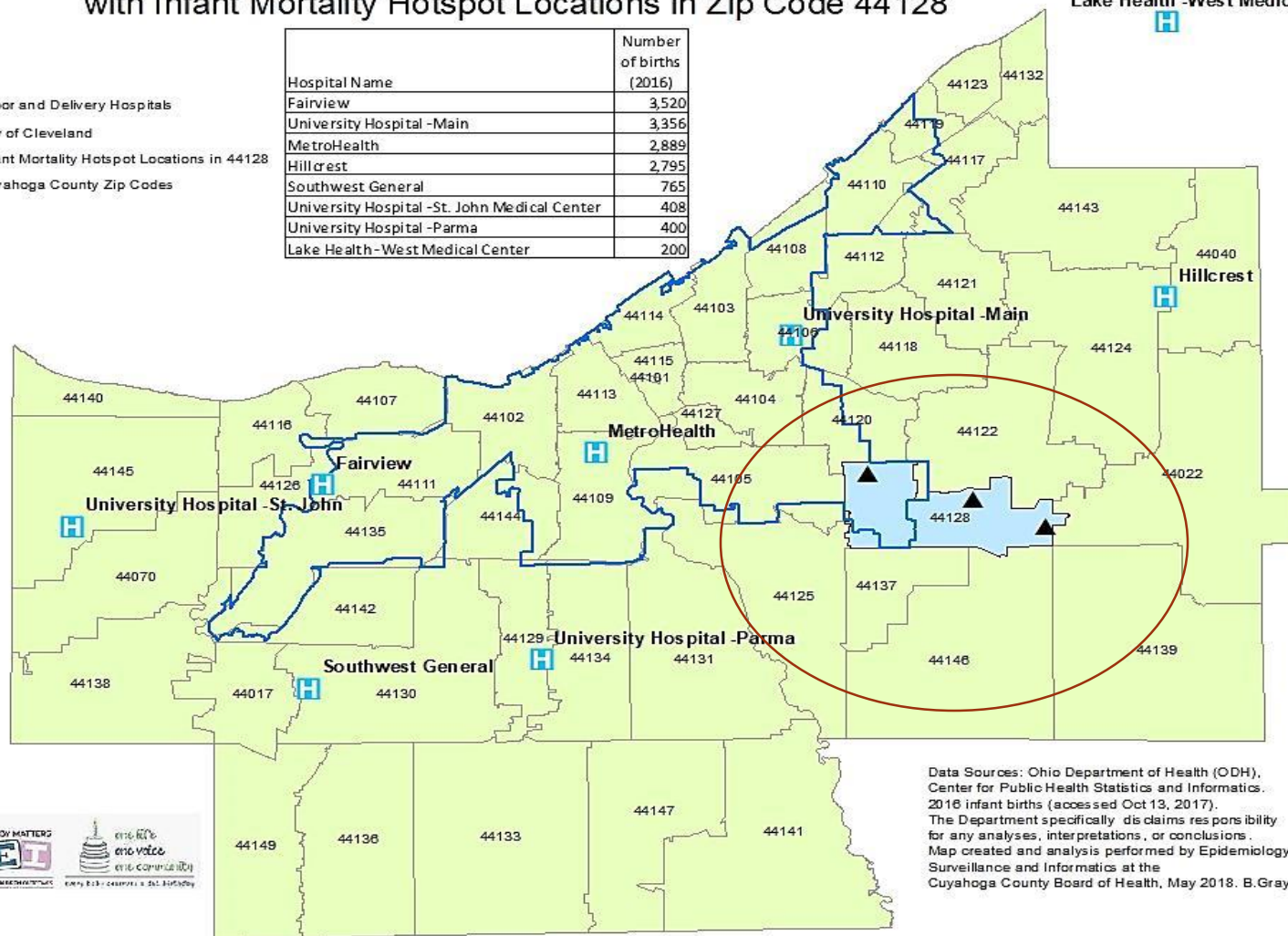


Lake Health -West Medical Center
H

Legend

- H** Labor and Delivery Hospitals
- City of Cleveland
- ▲ Infant Mortality Hotspot Locations in 44128
- Cuyahoga County Zip Codes

Hospital Name	Number of births (2016)
Fairview	3,520
University Hospital -Main	3,356
MetroHealth	2,889
Hillcrest	2,795
Southwest General	765
University Hospital -St. John Medical Center	408
University Hospital -Parma	400
Lake Health -West Medical Center	200



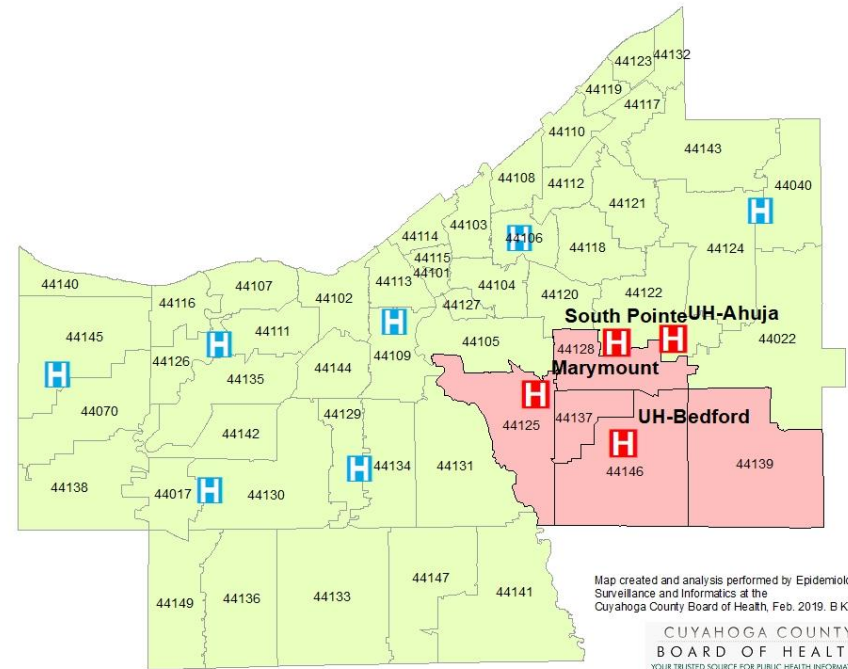
Data Sources: Ohio Department of Health (ODH), Center for Public Health Statistics and Informatics. 2016 infant births (accessed Oct 13, 2017). The Department specifically disclaims responsibility for any analyses, interpretations, or conclusions. Map created and analysis performed by Epidemiology, Surveillance and Informatics at the Cuyahoga County Board of Health, May 2018. B.Gray



Hotspot Location in 44128	Closest Hospital Name	Miles to Closest Hospital	Private Auto – Minutes	Public Transportation – Minutes
Hotspot - West	University Hospital -Main	6	15-25	50-60
Hotspot - Middle	University Hospital - Main	8	20-45	55-65
Hotspot - East	CCF - Hillcrest	8	12-20	90-105

Pregnancy Related Emergency Department Visits 11/21/18-12/20/18

- In one month, there were 139 pregnancy related Emergency Room visits from women who live in 44128, 44137, 44146, 44146, 44125
 - 114 ED visits to ED with no L&D
 - 25 ED visits to ED with L&D



Collective Impact strategies

Educate Systems and Providers

Educate the Community

Advocate for increased access to labor and delivery services in southeast quadrant

Provider Education

Goals:

- Make connection between structural racism, social determinants of health and birth outcomes
 - Educate providers on the experiences of pregnant women
-
- OB Grand Rounds
 - Emergency Medical Service Provider
 - Home Visiting Programs

Patient Education through Palm Card

- Palm card will be available to patients in Cuyahoga County in doctors' and nurses' office (add more)
- Goals:
 - Address misuse of EMS services (emergency vs. non-emergency situations)
 - Educate women that not all hospitals have L&D services and to recognize when to drive themselves to doctors' office
 - Encourage women to remain under one hospital system for ease of sharing patient records

Cuyahoga County Pregnancy Emergency Information Card

Name Jane Doe Due Date 12 12 20


Pregnancy Health Issues: Twins, preeclampsia

Doctor/Midwife/Hospital Dr. John Smith at CCF Fairview

Where to call for help: Dr. John Smith 216 123 4567

If you feel your life or the life of your baby is threatened call 911.

United Way Help Center: Dial 211
Home Visiting Central Intake: (216) 930-3322




Pregnancy warning signs:

Water leaking	Cramping before 37 weeks
Bleeding	Decreased baby movement

* Not all ERs have labor and delivery services. What is your plan in an emergency?

Current Labor and Delivery Hospitals:

<u>West</u>	<u>East</u>
<u>Cleveland Clinic Fairview</u>	Cleveland Clinic Hillcrest
MetroHealth	University Hospitals Main Campus
University Hospitals Parma	
Southwest General	
University Hospitals St. Johns West Shore	



V1 2019

Labor and Delivery Petition

- Goals:
 - Educate community on the issues related to labor and delivery deserts
 - Educate community on where to go if someone has a pregnancy related concern
 - Garner support from community to advocate for improvement in services in communities with high incidence of fetal/infant death

We have collected over 500 signatures to date and will continue through the end of the year.

What's next?

- Continue advocacy for labor and delivery services for families on county's east side
- Continue to educate community on where to go for pregnancy related emergency
- Continue to connect pregnant women to supportive services



How Can You Help

- Investigate your community's ER services and protocols for pregnant women
- Identify where labor and delivery services are available
- Educate women on when AND where to seek services if she feels concerned during her pregnancy
- Sign Our Petition!



One Community at a time

