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

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

IMR

Black

White

2012: IMR 14.5
2013: IMR 14.7
2014: IMR 14.4
2015: IMR 18.7
2016: IMR 14.5

Black 2012: 8.86
2013: 8.91
2014: 8.10
2015: 10.51
2016: 8.68

White 2012: 6.1
2013: 5.9
2014: 4.7
2015: 6.1
2016: 5.1
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)
Infant Mortality Rate by Race by Zip code
2010-2014 5-Year ACS – Census Data

<table>
<thead>
<tr>
<th>Race</th>
<th>2014 - US</th>
<th>County</th>
<th>44105</th>
<th>44128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>26.2</td>
<td>18.7</td>
<td>15.6</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>5.7</td>
<td>15.1</td>
<td></td>
<td>15.6</td>
</tr>
<tr>
<td>Total</td>
<td>25.2</td>
<td>8.9</td>
<td>5.8</td>
<td>15.1</td>
</tr>
</tbody>
</table>

Per 1,000 live births

- Black: 26.2
- White: 5.7
- Total: 25.2

2014 - US: 8.9
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
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]**

### Bar Chart

<table>
<thead>
<tr>
<th>Year</th>
<th>20-23 weeks</th>
<th>24-27 weeks</th>
<th>28-31 weeks</th>
<th>32-36 weeks</th>
<th>37+ weeks</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>52</td>
<td>22</td>
<td>34</td>
<td>12</td>
<td>22</td>
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<tr>
<td>2016</td>
<td>56</td>
<td>21</td>
<td>20</td>
<td>15</td>
<td>12</td>
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<tr>
<td>2017</td>
<td>41</td>
<td>18</td>
<td>14</td>
<td>10</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>2018</td>
<td>27</td>
<td>13</td>
<td>16</td>
<td>10</td>
<td>11</td>
<td>0</td>
</tr>
</tbody>
</table>
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).
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

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