INFANT MORTALITY & BIRTH OUTCOME DATA

First Year Cleveland – Advisory Council Meeting
June 22, 2021

Presenter:
Richard Stacklin, M.Ed.
Data Analyst
Epidemiology, Surveillance & Informatics
Cuyahoga County Board of Health
Outline

• 2020 summary data

• Comparing 2020 to previous 4 years

• Running 4 quarters data
  • Calendar Year 2020

• 2021 data (through May)

Data from Ohio Department of Health – Bureau of Vital Statistics
  • The Department specifically disclaims responsibility for any analyses, interpretations or conclusions.
Prelim 2020 Data
Total Infant Deaths by Month – 2020

Preliminary 2020 Infant Death Count = 100

2020 data are preliminary
2020 Infant Births – 22 Weeks or less by Month by Ethnicity or Race (n=33)

2020 data are preliminary
Comparing 2020 to Previous Years
2016-2020 Infant Mortality Data: Cuyahoga

Source: Ohio Department of Health - Bureau of Vital Statistics; 2019 & 2020 data are preliminary
Decrease in Number of Babies Born

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Babies</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>14,747</td>
</tr>
<tr>
<td>2017</td>
<td>14,558</td>
</tr>
<tr>
<td>2018</td>
<td>13,873</td>
</tr>
<tr>
<td>2019</td>
<td>13,937</td>
</tr>
<tr>
<td>2020</td>
<td>13,202</td>
</tr>
</tbody>
</table>
Decrease in Babies Born 22 Weeks or less

- 2016: 52
- 2017: 56
- 2018: 48
- 2019: 54
- 2020: 33
Babies Born 22 Weeks or less Breakdown by Ethnicity or Race

<table>
<thead>
<tr>
<th>Year</th>
<th>Black non-Hispanic</th>
<th>Hispanic/Latinx</th>
<th>White non-Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>3</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>2017</td>
<td>2</td>
<td>6</td>
<td>46</td>
</tr>
<tr>
<td>2018</td>
<td>3</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>2019</td>
<td>2</td>
<td>2</td>
<td>37</td>
</tr>
<tr>
<td>2020</td>
<td>2</td>
<td>2</td>
<td>27</td>
</tr>
</tbody>
</table>

Legend:
- Black non-Hispanic
- Hispanic/Latinx
- White non-Hispanic
Very Preterm Birth Rate

Births less than 32 completed weeks

- 2016: 2.35%
- 2017: 2.60%
- 2018: 2.73%
- 2019: 2.41%
- 2020: 2.03%
Very Preterm Birth Rate by Ethnicity or Race

Births less than 32 completed weeks

<table>
<thead>
<tr>
<th>Year</th>
<th>Black non-Hispanic</th>
<th>Hispanic/Latinx</th>
<th>White non-Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>4.0%</td>
<td>2.1%</td>
<td>1.2%</td>
</tr>
<tr>
<td>2017</td>
<td>4.5%</td>
<td>1.1%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2018</td>
<td>4.9%</td>
<td>1.2%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2019</td>
<td>4.0%</td>
<td>1.6%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2020</td>
<td>3.4%</td>
<td>1.4%</td>
<td>1.2%</td>
</tr>
</tbody>
</table>
Rolling 12 Months - Quarterly Data
2nd QTR 2020 – 1st QTR 2021
Infant Mortality Rate by Ethnicity or Race
2\textsuperscript{nd} Quarter 2020 - 1\textsuperscript{st} Quarter 2021

HealthyPeople 2020 Target = 6.0 per 1,000 live births

Source: Ohio Department of Health - Bureau of Vital Statistics; 2020 & 2021 data are preliminary
Babies Born 22 Weeks or less by Ethnicity or Race 2nd Quarter 2020 - 1st Quarter 2021

Source: Ohio Department of Health - Bureau of Vital Statistics; 2020 data are preliminary
Very Preterm Birth Rate by Ethnicity or Race
1st-4th Quarter 2020

HealthyPeople 2020 Target = 1.5% or less

Source: Ohio Department of Health - Bureau of Vital Statistics; 2020 data are preliminary
Comparing 2020 Data to 2021 Data
2020 & 2021 Births by Race or Ethnicity (through May)

- **Black non-Hispanic:**
  - 2020: 2,101
  - 2021: 2,601

- **Hispanic/Latinx:**
  - 2020: 401
  - 2021: 380

- **White non-Hispanic:**
  - 2020: 1,915
  - 2021: 2,715

- **Overall:**
  - 2020: 5,397
  - 2021: 5,264
2020 & 2021 Infant Mortality Rate by Race or Ethnicity (through May)

- Black non-Hispanic: 15.7 & 15.7
- Hispanic/Latinx: 5.3 & 0.0
- White non-Hispanic: 3.5 & 5.5
- Overall: 7.8 & 8.9

2020 2021
2020 & 2021 Babies Born 22 Weeks or less by Race or Ethnicity (through May)
Questions?