California Fetal Infant Mortality Review

Maria A.L. Jocson, MD, MPH, FAAP
Policy Development Branch
Maternal, Child and Adolescent Health Division
Center for Family Health
California Department of Public Health
Learning Objectives

- Describe the current status of the infant mortality rate in California
- Describe the history of California Fetal Infant Mortality Review (FIMR) local programs
- List impact and examples of accomplishments of local FIMR programs
California Infant Mortality Data
Infant Mortality Rate per 1,000 Live Births, 2000-2010

Data Sources: California Birth and Death Statistical Master Files, 2000-2010
Prepared by the Epidemiology, Assessment and Program Development Branch, Maternal, Child and Adolescent Program, Center for Family Health
Infant Mortality Rates per 1,000 Live Births by Race/Ethnicity, 2000-2010

Data Sources: California Birth and Death Statistical Master Files, 2000-2010
Prepared by the Epidemiology, Assessment and Program Development Branch, Maternal, Child and Adolescent Program, Center for Family Health
### Infant Mortality Rate Among States with the Highest Number of U.S. Births, 2008

<table>
<thead>
<tr>
<th>State</th>
<th>Live Births</th>
<th>Infant Deaths per 1,000 Live Births</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>551,779</td>
<td>5.1</td>
</tr>
<tr>
<td>Texas</td>
<td>405,554</td>
<td>6.2</td>
</tr>
<tr>
<td>New York</td>
<td>250,383</td>
<td>5.5</td>
</tr>
<tr>
<td>Florida</td>
<td>231,445</td>
<td>7.2</td>
</tr>
<tr>
<td>Illinois</td>
<td>176,795</td>
<td>7.1</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>149,273</td>
<td>7.4</td>
</tr>
<tr>
<td>Ohio</td>
<td>148,821</td>
<td>7.7</td>
</tr>
<tr>
<td>Georgia</td>
<td>146,603</td>
<td>8.1</td>
</tr>
<tr>
<td>North Carolina</td>
<td>130,839</td>
<td>8.2</td>
</tr>
<tr>
<td>Michigan</td>
<td>121,127</td>
<td>7.4</td>
</tr>
</tbody>
</table>

Note: Used the most recent final birth and death data from 2008.


Prepared by the Epidemiology, Assessment and Program Development Branch, Maternal, Child and Adolescent Health Program, Center for Family Health.
History

• Began in 1991

• First state to establish a state-directed FIMR program

• Initially, 12 local programs, currently have 16 local programs
### FIMR Local Health Jurisdictions

- 16 counties

<table>
<thead>
<tr>
<th>Alameda</th>
<th>Contra Costa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresno</td>
<td>Humboldt</td>
</tr>
<tr>
<td>Kern</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>Placer</td>
<td>Sacramento</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>San Diego</td>
</tr>
<tr>
<td>San Francisco</td>
<td>San Joaquin</td>
</tr>
<tr>
<td>Solano</td>
<td>Sonoma</td>
</tr>
<tr>
<td>Ventura</td>
<td>Yolo</td>
</tr>
</tbody>
</table>
Collaboration with Black Infant Health

- In 2006-2009, 8 FIMR local programs worked closely with their BIH programs to address the B-W infant mortality disparity

- BASINET, a web-based information management system, was piloted but was deemed not suitable for our needs

- Currently, the BIH-FIMR collaboration remains strong and BIH Coordinators/representatives continue to actively participate in FIMR CRTs and CATs
Impact of FIMR

• Development of data-driven local interventions to prevent fetal/infant deaths

• Shared resources at regional and state level

• Key partnerships and collaborations (e.g., with March of Dimes, academia, children’s hospitals, perinatal providers, BIH, and SIDS programs)
Examples of Program Accomplishments

• **San Diego**
  Development of a preconception wheel (interactive tool), an educational tool specifically targeting AA women of reproductive age

• **Alameda**
  Kick count education video shown in waiting rooms of prenatal care providers and at WIC

• **San Bernardino**
  Partnership with Perinatal Screening, Referral and Treatment to assist in reducing substance use during pregnancy
Examples of Program Accomplishments

• **San Joaquin**
  “Go Before You Show” social marketing campaign to increase early entry to prenatal care and improve birth outcomes

• **Kern**
  Bus placards with Safe Sleep environment messages in English/Spanish

• **Fresno**
  Collaboration with Department of Behavioral Health to develop Perinatal Mood Disorders Program

• **Yolo**
  Question from FIMR Coordinator became the springboard for creating the Breaking Bad News Toolkit on the state FIMR website