

CityMatCH Infant Mortality Initiatives Overview

SACIM Presentation April 2013

CityMatCH Mission

strengthening public health leaders and organizations to promote equity and improve the health of urban women families, and communities

CityMatCH Infant Mortality Initiatives Overview



1. Institute for Equity in Birth Outcomes
2. Perinatal Periods of Risk (PPOR)
3. Best Babies Zone

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Institute for Equity in Birth Outcomes

- Applies a scientific focus to the work of reducing inequities in birth outcomes.
- Teams implement and evaluate a local project aimed at producing measurable improvements in inequities.
- A high-visibility National Summit will showcase results and impacts.

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To date...

- 24 Cities Applied
- 1st Cohort: Baltimore, West Palm Beach, San Francisco, and Dayton
- Expanding, 2nd Institute & 10 Cities Total by July
- 1st Training April 29-May 2

But, which are **GAP REDUCING** Strategies in the next **18-24 months**? (Green: Tier 1; Blue: Tier 2)



Strategies

1. **Vaginal Progesterone, 17p, Oral Progesterone, & Cervical Cerclage; Access/Universal Use**

2. **Safe Sleep**

3. **Family Planning – Prevention of unintended pregnancies and use of birth spacing and effective contraceptives**

4. **Maternal Stress Prevention / Management**

5. **High Risk Pregnancy / Delivery Management**

6. **Chronic and Infectious Disease Prevention / Management – ~~diabetes, hypertension, overweight-obesity,~~ STIs, maternal immunizations**

7. **~~Tobacco, Alcohol, and Other Drug~~ Cessation**

8. **Breastfeeding / Kangaroo Mother Care**

9. **~~Social Determinants of Health / Equity~~**

10. **Policy and Systems Change** (e.g., obtaining universal access to 17p or oral progesterone, ~~reducing elective deliveries <39 weeks~~)

Tier 1 Strategy: 17p



What does this mean for my community?

- **Baltimore**
 - Avg annual births among black women = 5,822
 - ~1112 (19.1%) PTB (<37 weeks)
 - Est. total no. of recurrent PTB = 250 (1112 x 22.5%)
 - Est. no. of PTB that could be averted if 17p were initiated before the 21st week of gestation = 83 (250 x 33%)
 - Est. no. of PTB if 10% were averted = 8 (83 x 10%)
 - Est. costs saved from averting 10% of recurrent PTB = \$671,400 (8 x \$83,925)
- **Dayton**
 - Avg annual births among black women = 1,974
 - ~338 (17.1%) PTB (<37 weeks)
 - Est. total no. of recurrent PTB = 76 (338 x 22.5%)
 - Est. no. of PTB that could be averted if 17p were initiated before the 21st week of gestation = 25 (76 x 33%)
 - Est. no. of PTB if 10% were averted = 3 (25 x 10%)
 - Est. costs saved from averting 10% of recurrent PTB = \$251,775 (3 x \$83,925)

What does this mean for my community?, continued

- **San Francisco**
 - Avg annual births among black women = 449
 - ~37 (8.2%) PTB (<37 weeks)
 - Est. total no. of recurrent PTB = 8 (37 x 22.5%)
 - Est. no. of PTB that could be averted if 17p were initiated before the 21st week of gestation = 3 (8 x 33%)
 - Est. no. of PTB if 10% were averted = 1 (3 x 10%)
 - Est. costs saved from averting 10% of recurrent PTB = \$83,925 (1 x \$83,925)
- **West Palm Beach**
 - Avg annual births among black women = 4,152
 - ~706 (17.0%) PTB (<37 weeks)
 - Est. total no. of recurrent PTB = 159 (706 x 22.5%)
 - Est. no. of PTB that could be averted if 17p were initiated before the 21st week of gestation = 52 (159 x 33%)
 - Est. no. of PTB if 10% were averted = 5 (52 x 10%)
 - Est. costs saved from averting 10% of recurrent PTB = \$419,625 (5 x \$83,925)

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Coming soon...

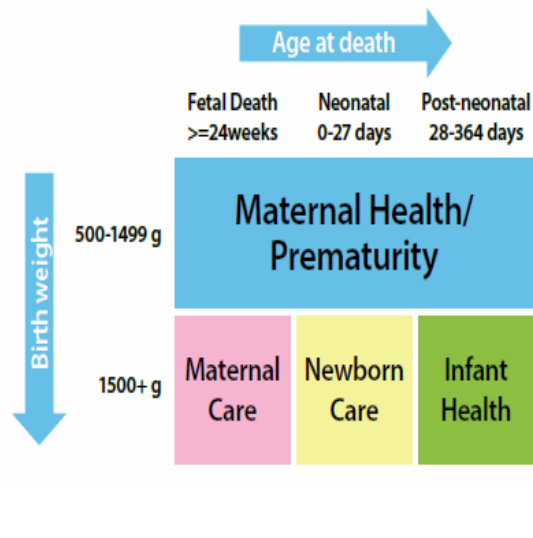
- Curriculum Content
- Project Launch Reports
- 1st Equity Institute Summit (Summer 2015)

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Perinatal Periods of Risk (PPOR)

The PPOR “map” of fetal-infant mortality



Analytic framework and community process for investigating and addressing local causes of fetal-infant mortality.

Helps communities determine how best to allocate limited resources for maximum return.

New for 2013—Coordinated, Perinatal Periods of Risk (PPOR) training program specifically for Healthy Start (HS) sites

- Intensive onsite training and T/A for 3 selected HS sites
- Evaluation of training impact
- National PPOR/Healthy Start network for monthly distance training open to all Healthy Start sites

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3 BBZ Strategies:

1. Zonal Approach
2. Work Across 4 Domains: Education/Early Childhood, Economic Development, Health Services, & Community Systems
3. Public Health Social Movement



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CityMatCH Role:

1. Coordination, training, oversight, and implementation of work at three BBZ sites

Castlemont Neighborhood
Oakland, CA

Lead Agency:
Alameda County
Public Health Department

Hollygrove Neighborhood
New Orleans, Louisiana

Lead Agency:
City of New Orleans Health Department
and Louisiana State University

Price Hill Neighborhood
Cincinnati, Ohio

Lead Agency:
Cincinnati Children's Hospital



WHERE COMMUNITIES THRIVE & BABIES ARE HEALTHY

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CityMatCH Role:

2. Design and develop the ***BBZ Guide: A Step-by-Step Workbook for building a Best Babies Zone***



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