Strategies to address South LA Infant Mortality

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Community Health Councils
Objectives

• Understanding the Problem—Breakdown of SPA 6 Infant Mortality
  ▫ PPOR analysis
  ▫ Risk factors and demographics
  ▫ Focus Group Results

• Potential Solutions—Policy Opportunities for CHC
  ▫ MLK recommendations
  ▫ Prevention strategies
PPOR Framework

“The Perinatal Periods of Risk (PPOR) approach is a new analytic framework that enables urban communities to better understand and address fetal and infant mortality...[and] translate data into strategic action.”

Table 1: Six stages of the perinatal periods of risk approach

<table>
<thead>
<tr>
<th>Stage 1: Readiness</th>
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<tbody>
<tr>
<td>Community engagement, mobilization, and alignment</td>
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<tr>
<td>Community readiness</td>
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<td>Analytic readiness</td>
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<th>Stage 2: Data and assessment</th>
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<tr>
<td>Analytic preparation</td>
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<tr>
<td>Phase 1 PPOR analysis—Feto-infant mortality map and gaps</td>
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<td>Phase 2 PPOR analyses—further epidemiologic investigations</td>
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<th>Stage 3: Strategy and planning</th>
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<tr>
<td>Strategic action plans</td>
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<tr>
<td>Targeted prevention</td>
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<th>Stage 4: Implementation</th>
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<tr>
<td>Communication and coordination</td>
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<tr>
<td>Re-assessment of community readiness</td>
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<th>Stage 5: Monitoring and evaluation</th>
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<tr>
<td>Monitor local indicators</td>
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<td>Assess impact of approach</td>
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<th>Stage 6: Investment</th>
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<tr>
<td>Unity of stakeholder efforts</td>
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<td>Political will achievement</td>
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Source: Peck 2010
Stages of Growth

- **Fetal**
- **Neonatal**
- **Postneonatal**
- **Infant**

- 20 wks
- Birth
- 28 days
- 1 year

Source: Dr Chao, LA County Public Health
PPOR Framework

Source: Dr Chao, LA County Public Health
When excess deaths are calculated for SPA 6, **Infant Health** and **Maternal Health** are found to hold the greatest disparities.

**Source:** Dr Chao, LA County Public Health
## PPOR Leads to Community Interventions

<table>
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<tr>
<th>PPOR Focus Area</th>
<th>Potential Community Interventions</th>
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<tbody>
<tr>
<td>Maternal Health/Prematurity</td>
<td>Preconceptual Health Health Behaviors Perinatal Care</td>
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<tr>
<td>Maternal Care</td>
<td>Prenatal Care Referral System High Risk OB Care</td>
</tr>
<tr>
<td>Newborn Care</td>
<td>Perinatal Management Perinatal System Pediatric Surgery</td>
</tr>
<tr>
<td>Infant Health</td>
<td>Sleep Position Breast-Feeding Injury Prevention</td>
</tr>
</tbody>
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*Source: Dr Chao, LA County Public Health*
Risk Factors

- Preterm Birth
- Birthweight
- Prenatal Care
- Substance Use
- Teenage Pregnancy
- Racial Demographics
- Access to Care
- Socioeconomic and Health Status
South LA has the highest rate of preterm births

![Bar chart showing preterm birth rates by region. South LA has the highest rate. Source: LA County Perinatal Indicator Factsheet (2007 Data).]
South LA has highest rate of LBW, and 2nd highest rate of LBW

**Very Low Birthweight**

**Low Birthweight**

Source: LA County Perinatal Indicator Factsheet (2007 Data)
Inadquate/late entry into prenatal care does not correlate directly with birth outcomes

Source: LA County Perinatal Indicator Factsheet (2007 Data)
Late entry into prenatal care does not correlate with poor birth outcomes unless there is **NO** prenatal care

*Source: LA County Title V Perinatal Indicators, “Prenatal Care,” 2009*
SPA 6 has the highest rate of teenagers who give birth

Percent of babies born to Teen Moms

Rate of birth to teens aged 15-19

Source: California Dept of Public Health (2010), and CDC National Vital Statistics

Source: LA County Dept Public Health – Key Indicators of Health by SPA (2009)
LA African American Mothers have the highest smoking prevalence & exposure

Source: 2007 LA County Health Survey...LAMB?
Compton has highest rate of smoking cessation counseling

Percent of children whose moms were advised about dangers of environmental tobacco smoking

Source: 2007 LA County Health Survey
SPA 6 Mother is more likely to be African American or Hispanic

Applications:
- Blacks have higher smoking, asthma, illegal drug use, STDs, babies sleeping on stomachs (SIDS)
- Hispanics are less likely to have insurance; Foreign-born have better health, birth outcomes

Source: IPODR 2008
Infant and Fetal Mortality Rates*
SPA 6 vs. Countywide
2001 - 2009

*2001-2009 vital statistics files

Source: Dr Chao, LA County Public Health
Access to Care

- SPA 6 has the **highest rate of uninsurance** in adults (32.9%) and children (9.7%) compared to other SPAs
- SPA 6 reports the **most difficulty in accessing medical care** (38.8%)
- SPA 6 has 20.9% of inhabitants with **no regular source of care** (above average for LA)
- *Yet, highest rate of PAP smears within past 3 years?*

*Source: LA County Dept Public Health – Key Indicators of Health by SPA (2009)*
Socioeconomic and Health Status

• SPA 6 has the highest rates of following SES indicators:
  ▫ Most Poverty
  ▫ Least education
  ▫ Most unemployment
  ▫ Most unsafe neighborhood

• SPA 6 has the highest rates of following health indicators:
  ▫ Obesity
  ▫ Hypertension
  ▫ Mental Illness
  ▫ Also high rates of: asthma, cancer, high cholesterol

Source: LA County Dept Public Health – Key Indicators of Health by SPA (2009)
Focus Group Results: *Highlighting Additional Risk Factors*

- Lack of preconception, interconception health care as shown by PPOR
- Stress & lack of social support
- Substance abuse
- Lack of education about detrimental effects of certain health behaviors (i.e. nutrition, substance abuse, SIDS, etc)
Focus Group Results: *Potential Strategies*

- **Community Prevention Efforts**
  - Interconception Health (T.H.E. Clinic, BBC)
  - Progesterone Treatments during prenatal care
  - Implementation of pre-conception guidelines
  - Peer pre-conception counselors
  - School-based pre-preconception efforts
- **MLK Recommendations**
  - NICU (mixed feedback)
  - Transportation coordination and education
  - Wellness Center / Centering Pregnancy
  - Midwifery program?
  - Community Festival?
- **Infant Health Education Initiatives**
CHC Policy & Advocacy Opportunities

• MLK Hospital “Menu” of Options
• Local Clinics
  ▫ Expanding Data-Driven Interconception Care Plan
  ▫ Implementing Preconception Care Guidelines
• Medi-cal
  ▫ Better coverage for preconception women
  ▫ Lowering costs of progesterone treatments
  ▫ More provider incentives for preconception care visits
More Opportunities for CHC

- **PPOR Analysis** with LA County Public Health?
- Increase awareness of racism among perinatal providers through the LA County **Action Learning Collaboration**
- Collaborate with LA County to support bereaved parents and provide interconception health education through **Grief Share**
Keep up the hard work - it was GREAT working with you!