

Update on Louisiana Maternal and Child Health Efforts to Decrease Prematurity

**Annual Meeting of Louisiana
Fetal and Infant Mortality Reduction Initiative**

November 16, 2006

Rodney Wise, M.D.

Maternity Program Medical Director

Interventions that Work

- **Early, comprehensive, accessible prenatal care**
- **Educate all pregnant women about preterm labor signs and symptoms**
- **Screen and treat all UTIs and STIs**
- **Identify cigarette smokers and intervene**
- **Assess for alcohol use and intervene**
- **Identify illicit substance users and intervene**
- **Assess for domestic violence and intervene**
- **Eliminate folic acid deficiency**
- **Reduce major stress levels early and throughout pregnancy**

Interventions that Work

- Provide culturally sensitive, age appropriate preconceptional care (risk reduction focus)
- Promote optimal weight
- Exercise and activity
- Good mental health
- Manage all chronic conditions (hypertension, diabetes)
- Oral health and periodontal disease

Louisiana Fetal and Infant Mortality Reduction Initiative

*State MCH-supported local partnerships
that build collaborative efforts to address
causes of fetal and infant mortality,
ultimately reducing deaths and
improving the lives of Louisiana women,
infants, and families.*

Louisiana Fetal- Infant Mortality Reduction Initiative: Why Is It Needed ?

- **Louisiana has one of the poorest MCH outcomes of all states**
- **Rates mostly have been stagnant or worsening over time**
- **The status quo is not working**
- **We need a comprehensive initiative to increase awareness, plan intervention and bring about change**
- **Resources are limited**

Louisiana Fetal- Infant Mortality Reduction Initiative: What Is the Initiative ?

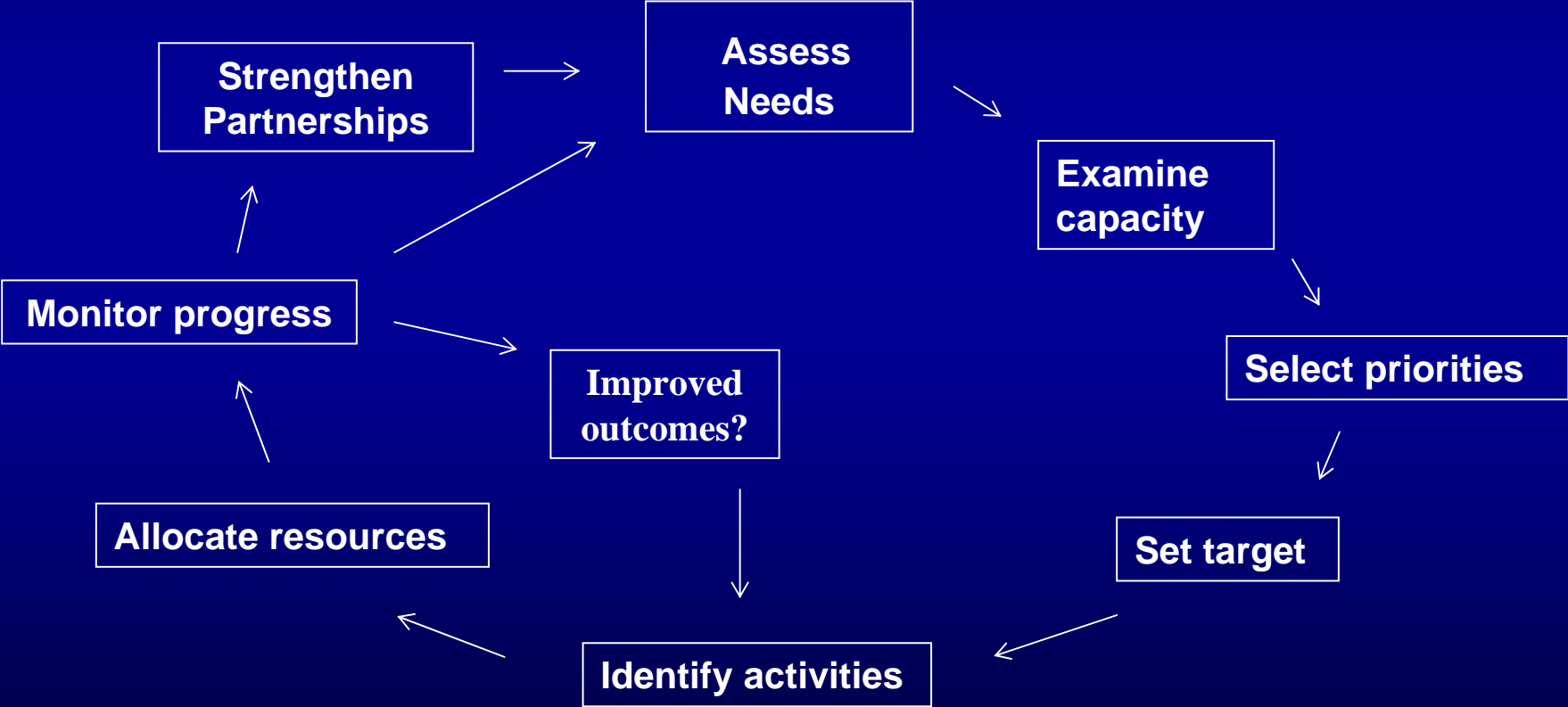
- **Sponsored by the Maternal Child Health program of OPH**
- **Comprehensive state-wide program to coordinate public and private sectors who have interest in MCH outcomes**
- **Public sector partners of MCH - Family Planning, HIV, E, Tobacco Control, Medicaid, OAD, OMH, Medical Schools, Universities**
- **Private sector – MOD, LPHI, ACOG, AAP, private providers / hospitals, La. MCH Coalition, local foundations**
- **Increase awareness, plan / implement interventions, effect changes, evaluate outcomes**
- **Build infrastructure for long-term change**

Louisiana Fetal- Infant Mortality Reduction Initiative: Where Is the Initiative ?

- **State-wide**
- **Public program coordination throughout state**
 - Existing programs
 - New initiatives
- **Regional level resources evaluation, needs assessment and strategic planning**
- **Regional / local interventions**
- **Targeting of individual providers**
- **Targeting of individual patients**

Louisiana Fetal- Infant Mortality Reduction Initiative: Intervention Model

Interventions Based on Performance Improvement Model



Louisiana Fetal- Infant Mortality Reduction Initiative: Specific Resources and Initiatives

Ongoing Statewide Resources :

Tobacco / Substance Use / Alcohol prevention – Moving to 4Ps +
Nutrition Program
SIDS Prevention
Oral Health Program
Partners for Healthy Babies Campaign
LaPRAMS, Epidemiology Section
Partnerships with involved public and private sectors

Regional Initiatives:

Nurse-Family Partnerships

Fetal-Infant Mortality Review process – FIMR Boards and Community Action Teams

Development of MCH Regional Coalitions

Louisiana Fetal- Infant Mortality Reduction Initiative: The Vision for Louisiana

- **Increased local and regional awareness and ownership of poor MCH outcomes**
- **Enhanced local community involvement – public and private sectors**
- **Coordinate existing and new efforts to improve outcomes**
- **Efforts based on needs, resources, and scientific validity of interventions**
- **Continued and improved evaluations / data is reviewed and utilized on ongoing basis**
- **Regional MCH Coalitions that guide the process**

Louisiana Fetal- Infant Mortality Reduction Initiative: Specific Resources and Initiatives

Ongoing Statewide Resources :

Tobacco / Substance Use / Alcohol
prevention – 4Ps +

Nutrition Program

SIDS Prevention

Oral Health Program

Partners for Healthy Babies Campaign

LaPRAMS, Epidemiology Section

Partnerships with involved public and
private sectors

Regional Initiatives:

Nurse-Family Partnerships

Fetal-Infant Mortality Review
process – FIMR Boards
and Community Action
Teams

Development of MCH Regional
Coalitions

Louisiana Fetal- Infant Mortality Reduction Initiative: Nurse Family Partnerships

- **Based on the David Olds model of home visitation**
- **Specific entry criteria – first time mother, financial**
- **Regimented system of visits, interventions, and evaluation**
- **Intervention from prenatal to age 2**
- **Teams now in all regions of the state**
- **Limited data analysis to-date is showing positive results in Louisiana**
- **Program expansion, limitations**

Louisiana Fetal- Infant Mortality Reduction Initiative: Nurse Family Partnerships – Louisiana Data, 99-02

- **52% reduction in premature births**
- **22% reduction in low birth weight infants (<2500 gms)**
- **75% fewer pre-term deliveries in women who smoked**
- **17% reduction in any alcohol use, and 51% reduction in alcohol use to intoxication**
- **33% reduction in subsequent pregnancies within 14 months**
- **50% reduction in ER utilization for any reason by child age 15 months**
- **35% reduction in child hospitalizations by the time the child is 15 months**
- **43% reduction in prenatal depression**
- **15% reduction of postpartum depression**

Louisiana Fetal- Infant Mortality Reduction Initiative: Specific Resources and Initiatives

Ongoing Statewide Resources :

Tobacco / Substance Use / Alcohol
prevention – 4Ps +

Nutrition Program

SIDS Prevention

Oral Health Program

Partners for Healthy Babies Campaign

LaPRAMS, Epidemiology Section

Partnerships with involved public and
private sectors

Regional Initiatives:

Nurse-Family Partnerships

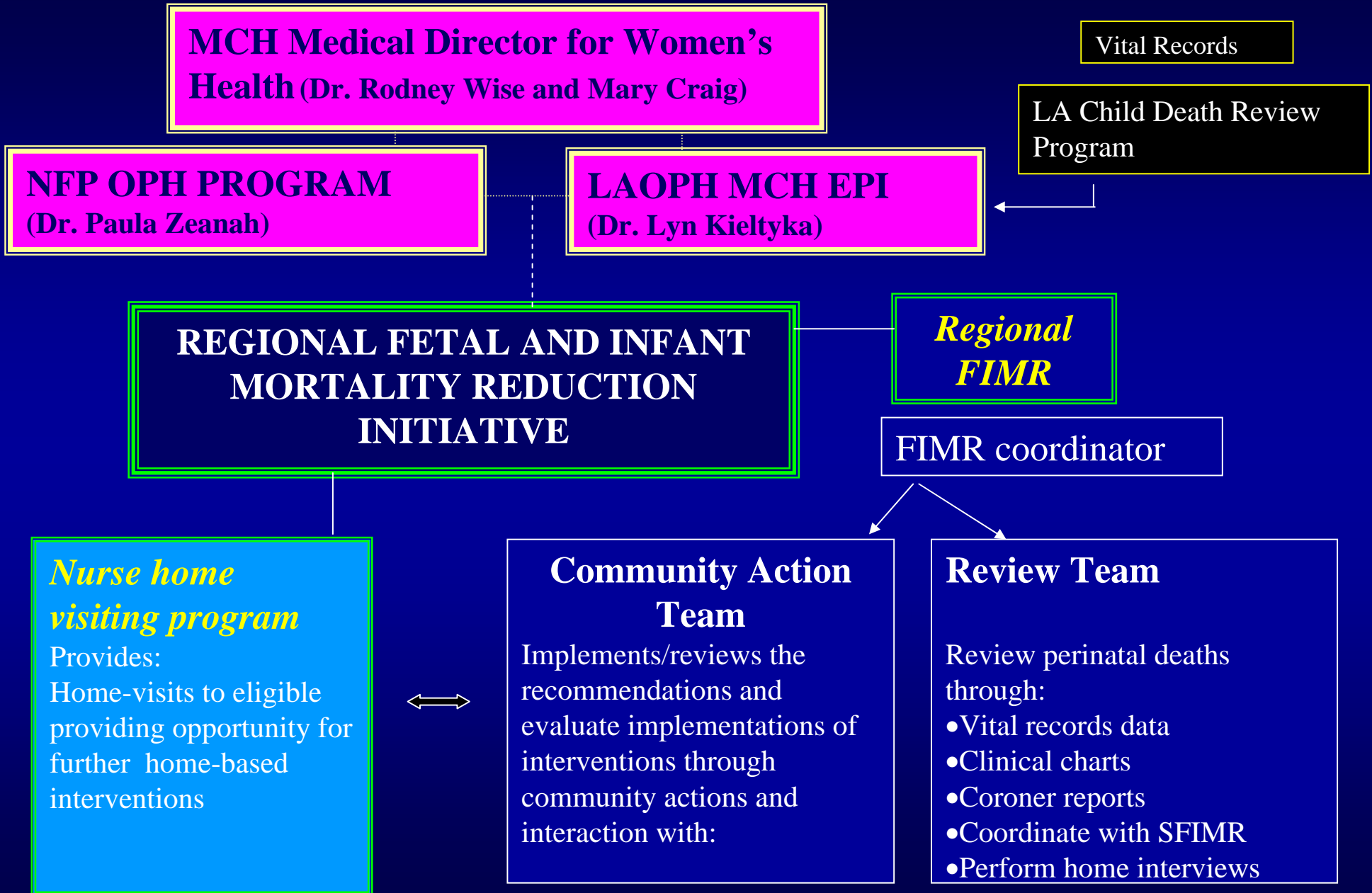
Fetal-Infant Mortality Review
process – FIMR Boards
and Community Action
Teams

Development of MCH Regional
Coalitions

Louisiana Fetal- Infant Mortality Reduction Initiative: Fetal Infant Mortality Review (FIMR) Process

- **Action-oriented, community based continuous quality improvement process**
- **Structured process of medical review team and a community action team**
- **Data abstracted from medical records and home interview of stillbirths and infant deaths**
- **Medical team performs a de-identified review to highlight contributing systems issues within the community**
- **Broad based community action team receives medical reports for community needs assessment, strategic planning and program implementation**
- **Endorsed by ACOG**

Louisiana Fetal Infant Mortality Reduction Initiative Framework



Louisiana Fetal- Infant Mortality Reduction Initiative: Specific Resources and Initiatives

Ongoing Statewide Resources :

Tobacco / Substance Use / Alcohol
prevention – 4Ps +

Nutrition Program

SIDS Prevention

Oral Health Program

Partners for Healthy Babies Campaign

LaPRAMS, Epidemiology Section

Partnerships with involved public and
private sectors

Regional Initiatives:

Nurse-Family Partnerships

Fetal-Infant Mortality Review
process – FIMR Boards
and Community Action
Teams

Development of MCH Regional
Coalitions

Louisiana Fetal- Infant Mortality Reduction Initiative: The Vision for Louisiana – Regional MCH Coalitions

- **Formal Regional MCH Coalitions / Forums are the best way to continue improvements**
- **Structure of Regional Coalitions / Forums**
 - **Component of non-profit LA MCH Coalition**
 - **Component of State Perinatal Commission**
 - **Other state models**
- **Regions may formally organize, seek funding to implement programs**
- **Regional Forums support all MCH interests – FIMR, NFP, child death review, family planning, medical home, lead, injury prevention, SIDS, etc.**

Fishbone of Low Birth Weight / Prematurity



Update on Maternal and Child Health Efforts to Decrease Prematurity

Annual Meeting of Louisiana Fetal and Infant Mortality Reduction Initiative

November 16, 2006

Rodney Wise, M.D.

Maternity Program Medical Director