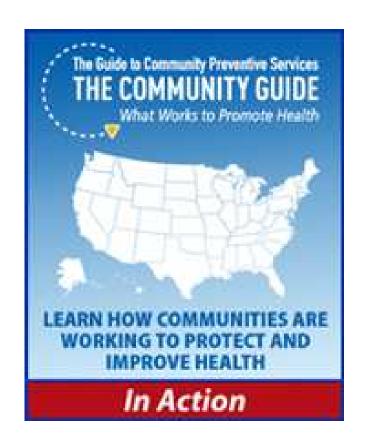


Objectives

- Understanding of evidence-based interventions to reduce infant mortality
- Awareness of best practice in Harlem, NY
- Knowledge of State of Michigan Infant Mortality Reduction Plan



Evidence-Based Interventions



http://www.thecommunityguide.org/index.html



Evidence-Based Interventions: Pre-Conception

- Prevention of unplanned pregnancy
- Reduction in Sexually-Transmitted Infections
- Preventing excessive alcohol consumption
- Folate supplementation
- Reducing pre-pregnancy risks for mental and physical illness

Source: The Community Guide, http://www.thecommunityguide.org, Feb. 20,2013.



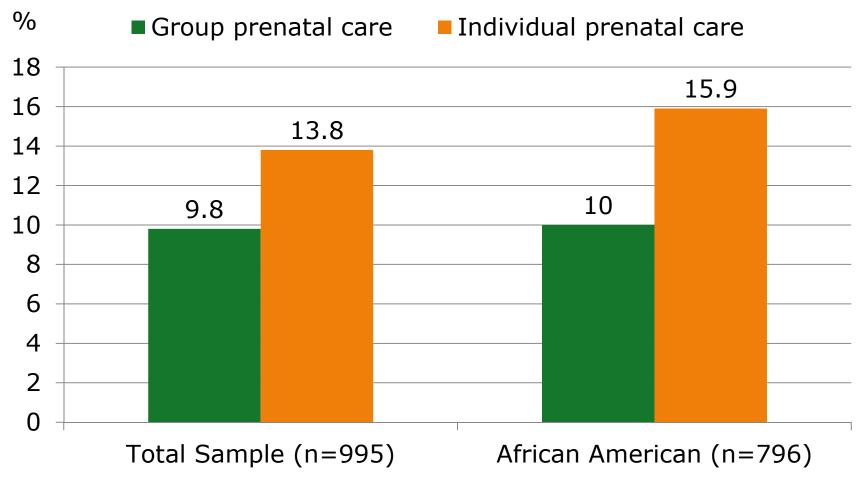
Evidence-Based Interventions: Pregnancy and 1st Year of Life

- Early prenatal care
- Adequate prenatal care
- Group visits for prenatal care
- Nurse home visits
- Safe sleep programs

Sources: Kirkham C, et al. American Family Physician, 2005, April 1;71(7): 1307-1316. Ikovics J, et al. Obstetrics & Gynecology, 2007, Aug.;110(2 pt 1): 330-339. Olds D, et al. Pediatrics, 1986;77:16-28.



Group v. Individual Prenatal Care: Percent Preterm Delivery

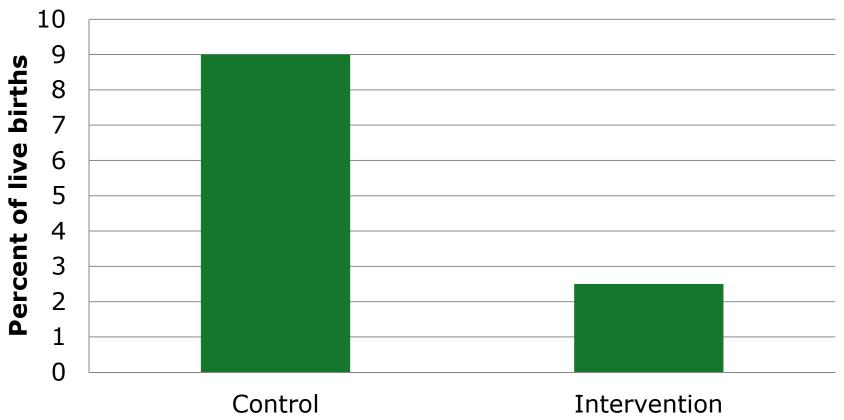


Source: Ickovics J, et al. Obstetrics & Gynecology, Vol. 110, No. 2, Pt 1, Aug. 2007.



Nurse Home Visit Program

Infant Mortality in High-Risk Pregnancy



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Source: Brooten D, et al. The American Journal of Managed Care, 7(8): 793-803, 2001.

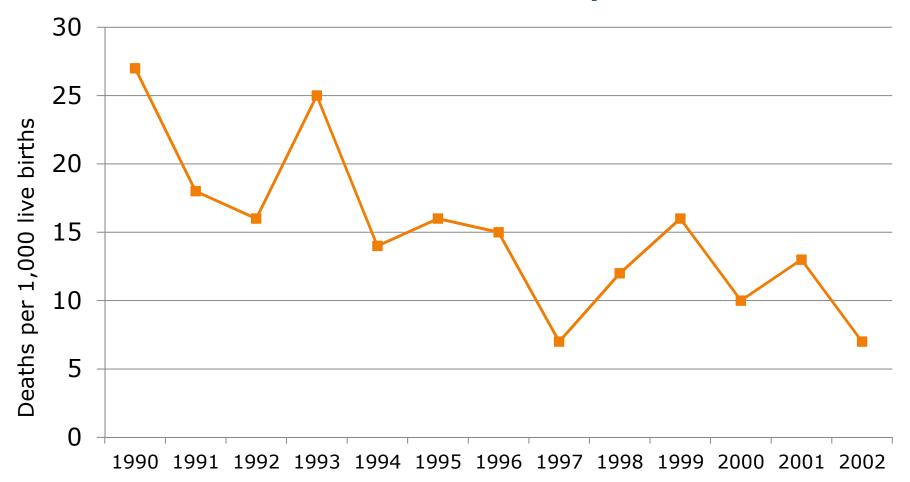
Best Practices: NYC

- Community-based perinatal partnerships
- Newborn home visiting program
- Perinatal depression initiatives
- Adolescent reproductive health programs
- Nurse Family Partnership
- Safe Sleep
- Breastfeeding initiative
- Community outreach & case management

Source: Koshel J. MCHB Technical Assistance Report, MCBH, HRSA, DHHS, Oct 26, 2009.



Infant Mortality Rate: Central Harlem, NY

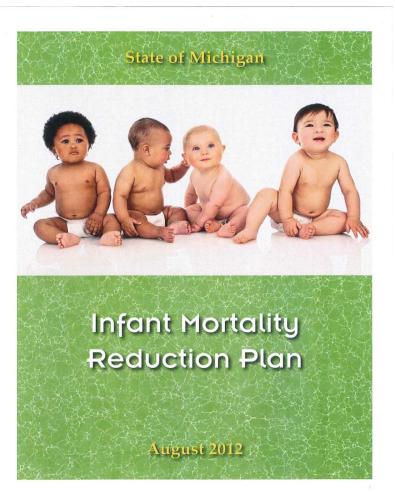


Source: Bureau of Statistics, New York State Dept. of Health and Mental Hygiene, 2006.

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State of Michigan Infant Mortality Reduction Plan

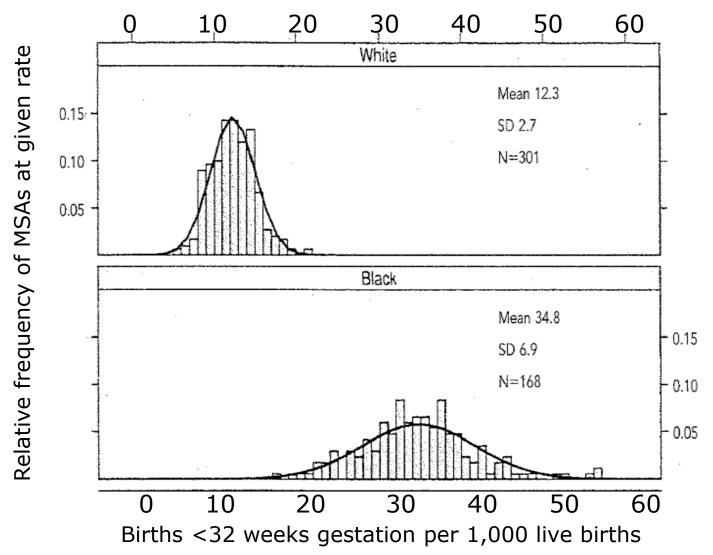
- Regional Perinatal System
- Reduce elective deliveries prior to 39 weeks gestation
- Adopt progesterone protocol
- Safer infant sleep practices
- Home-visiting programs
- Reduce unintended pregnancies
- Address social determinants of health into all strategies



Source: Michigan Dept. of Community Health, Aug. 2012.



Rates of very preterm birth in U.S. metropolitan statistical areas (MSAs) by race, 2002-2004



Source: National Center for Health Statistics Natality Files, 2002-2004; Singleton live births. From Kramer M and Hogue C. Public Health Reports, 123; Sept-Oct 2008.

Summary

- A number of evidence-based, community interventions can reduce infant mortality
- NYC and Harlem are a model for reducing ethnic disparities in infant mortality
- Michigan has a state-wide plan to reduce infant mortality
- Community matters—especially for Black infant mortality

