

SMILE

Start More Infants Living Equally healthy
A Project of the
African American Health Program

Collaborating to Reduce Infant Mortality
Among African Americans

Association of Maternal & Child Health
Programs Annual Conference

March 9, 2010

Brenda Lockley, RN, MS

Montgomery County, Maryland

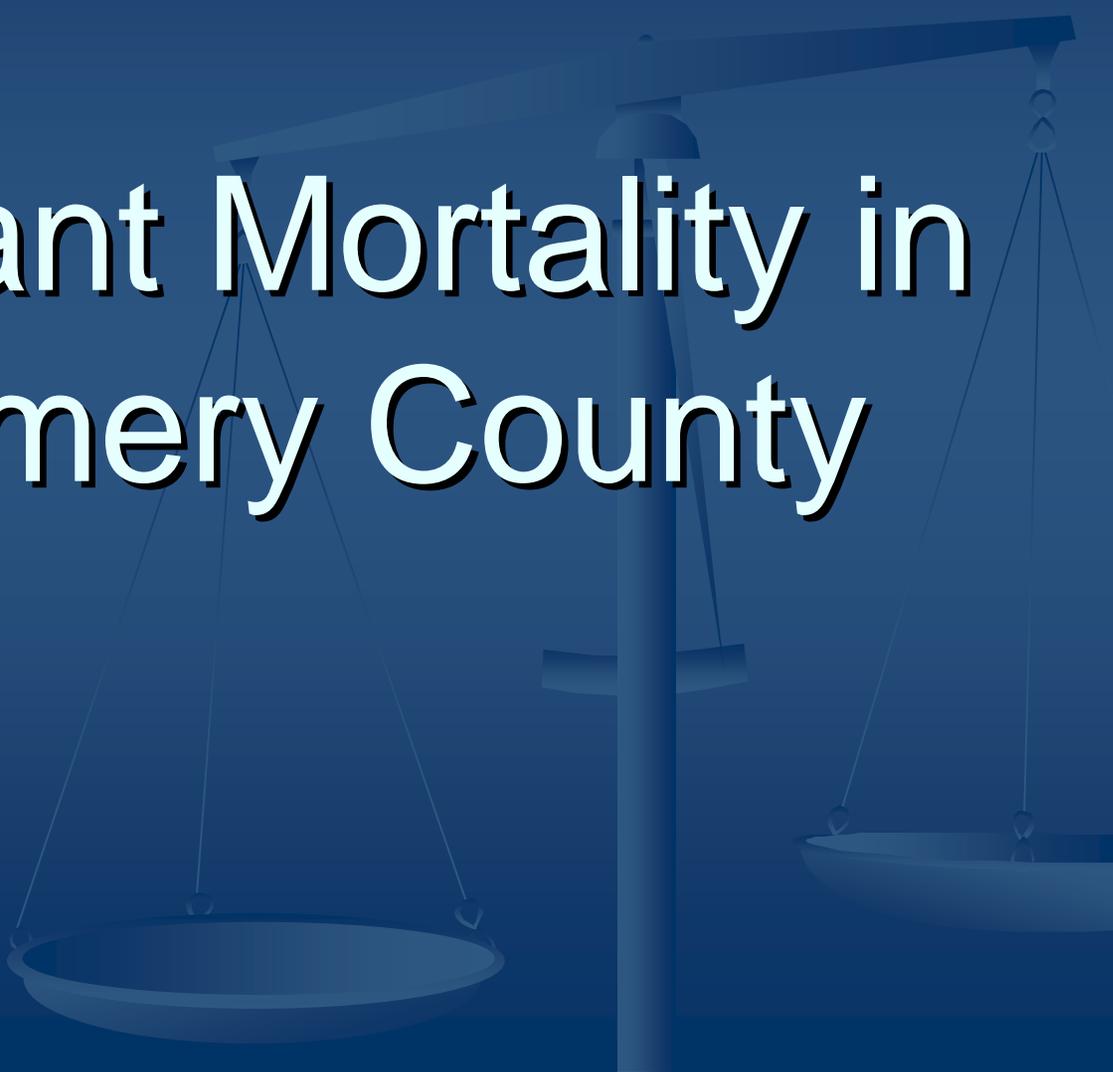
- Geographically large (507 sq. miles) suburban/rural
- Is the most populous county in Maryland, with a population (2006) estimated at 932,131 people.
- Although Montgomery County has long been known as one of the most affluent jurisdictions in the country, it's current demographics show a changing picture.

Population Race and Ethnicity

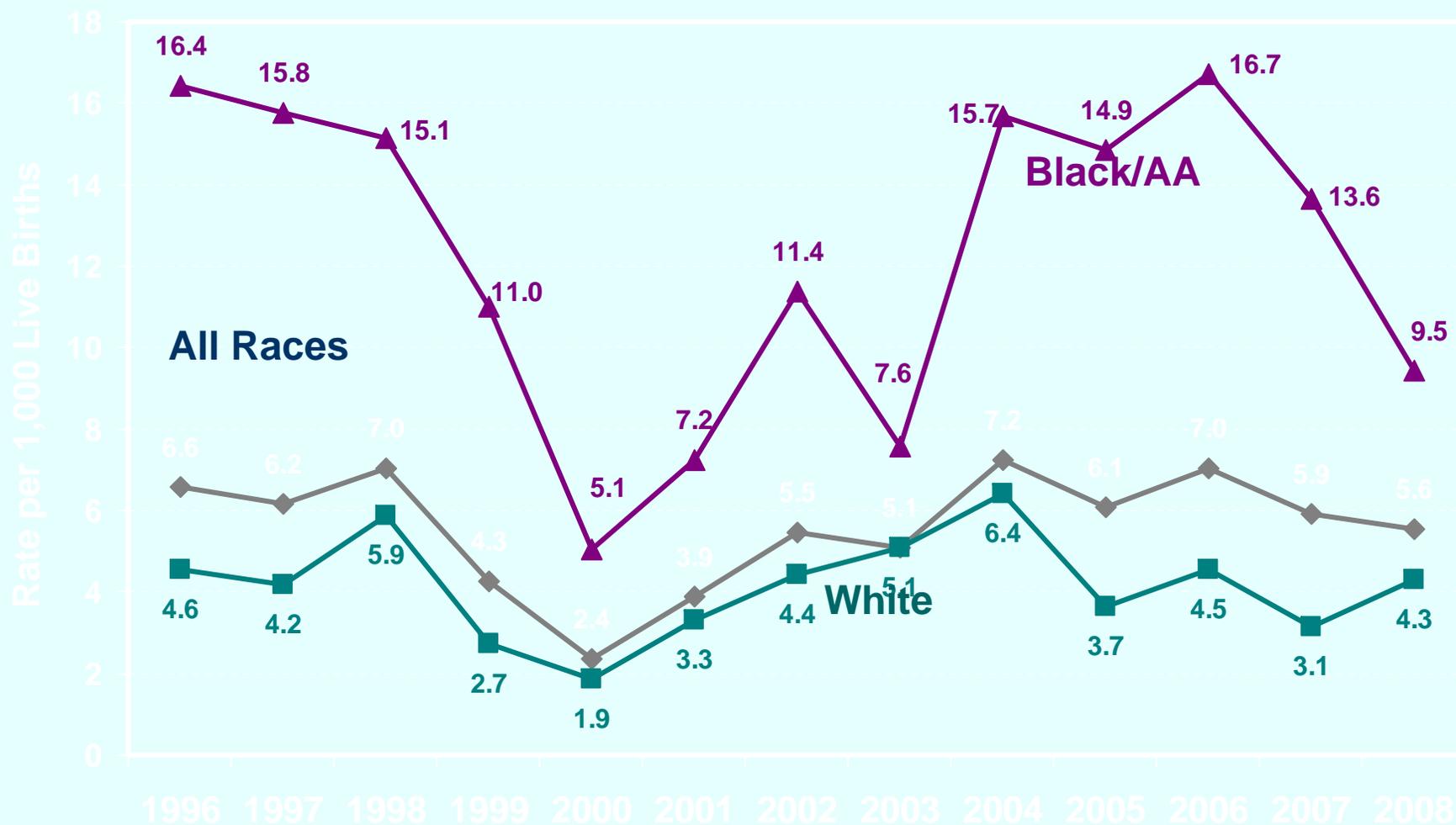
- In 2006: The population breakdown* was:
White---67.5%
Non-Hispanic White---55.1%
Black-----16.8%
Asian-----13.4%
Hispanic---- 13.8%
American Indian/Alaska Native---0.4%
Language other than English at Home---31.6%

*Source US Census

Black Infant Mortality in Montgomery County



Montgomery County Infant Mortality By Select Race Groups, 1996-2008



SOURCE: Maryland Vital Statistics Administration, Annual Mortality File, Montgomery County, 1996-2008; Montgomery County Department of Health and Human Services, Public Health Services.

Montgomery County Infant Mortality (Rate per 1,000 Live Births, 3-Year Rolling Average)	Total	White	Black/AA
1996-1998	6.60	4.87	15.75
1997-1999	5.82	4.23	13.92
1998-2000	4.51	3.42	10.21
1999-2001	3.50	2.64	7.68
2000-2002	3.91	3.21	7.84
2001-2003	4.82	4.27	8.69
2002-2004	5.94	5.27	11.56
2003-2005	6.14	4.98	12.73
2004-2006	6.78	4.79	15.77
2005-2007	6.34	3.78	15.07
2006-2008	6.17	4.00	13.25

African American Health Program

Began in 1999 with a mission to eliminate health disparities for African Americans/Blacks and to increase the number and quality of years of life for this population in Montgomery County.

The impetus was recognition of the great disparity in infant mortality for African Americans compared to White residents.

Funded by Montgomery County Dept. of Health and Human Services



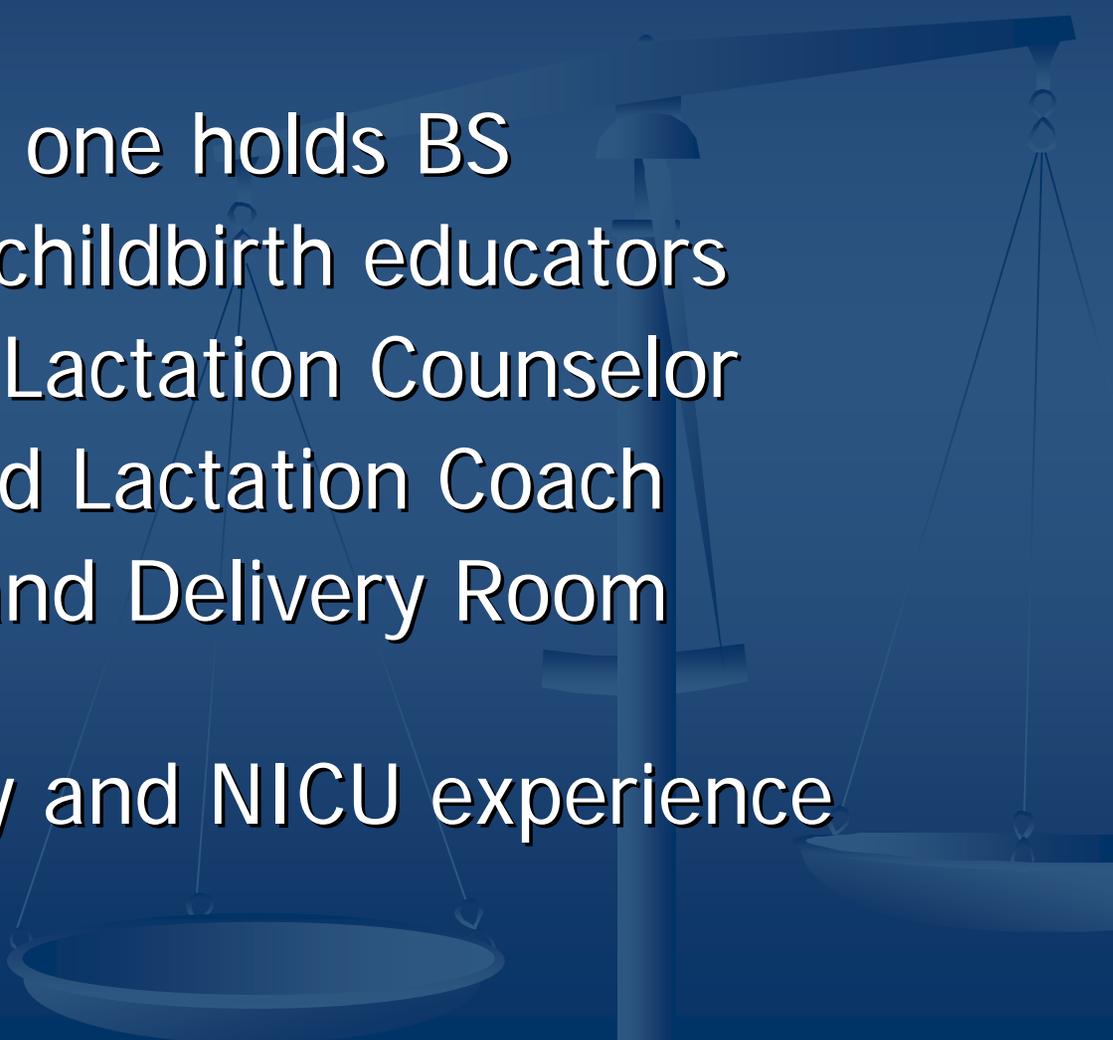
S.M.I.L.E.

P R O G R A M

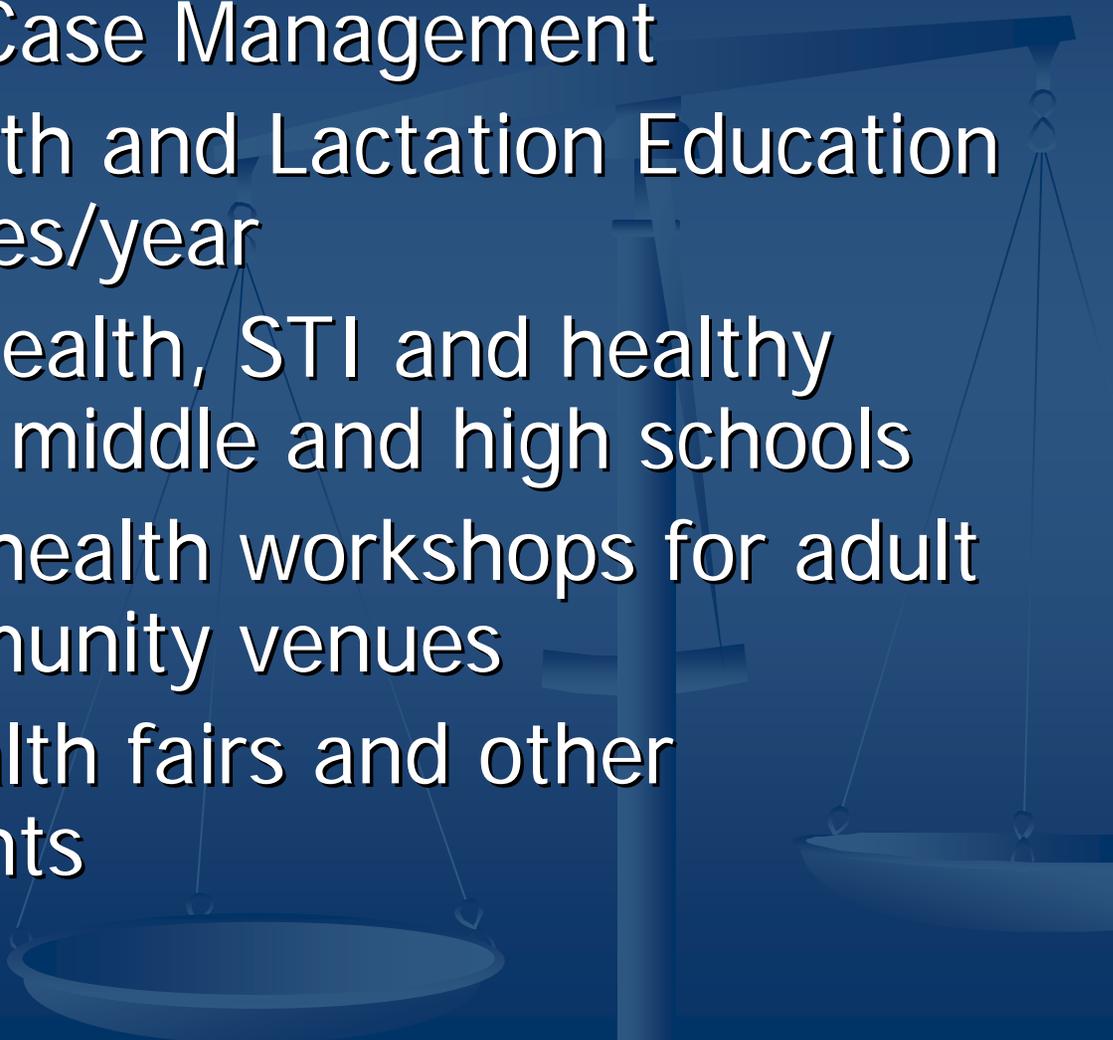
Start More Infants Living Equally healthy

- Started as pilot in FY 02
- Established as Black Babies SMILE (Start More Infants Living Equally healthy) in 2003, with one RN serving 50 mothers and 30 high risk infants
- Currently 3 RNs serving 135 women and up to 90 infants.
- Name was shortened to SMILE in 2008

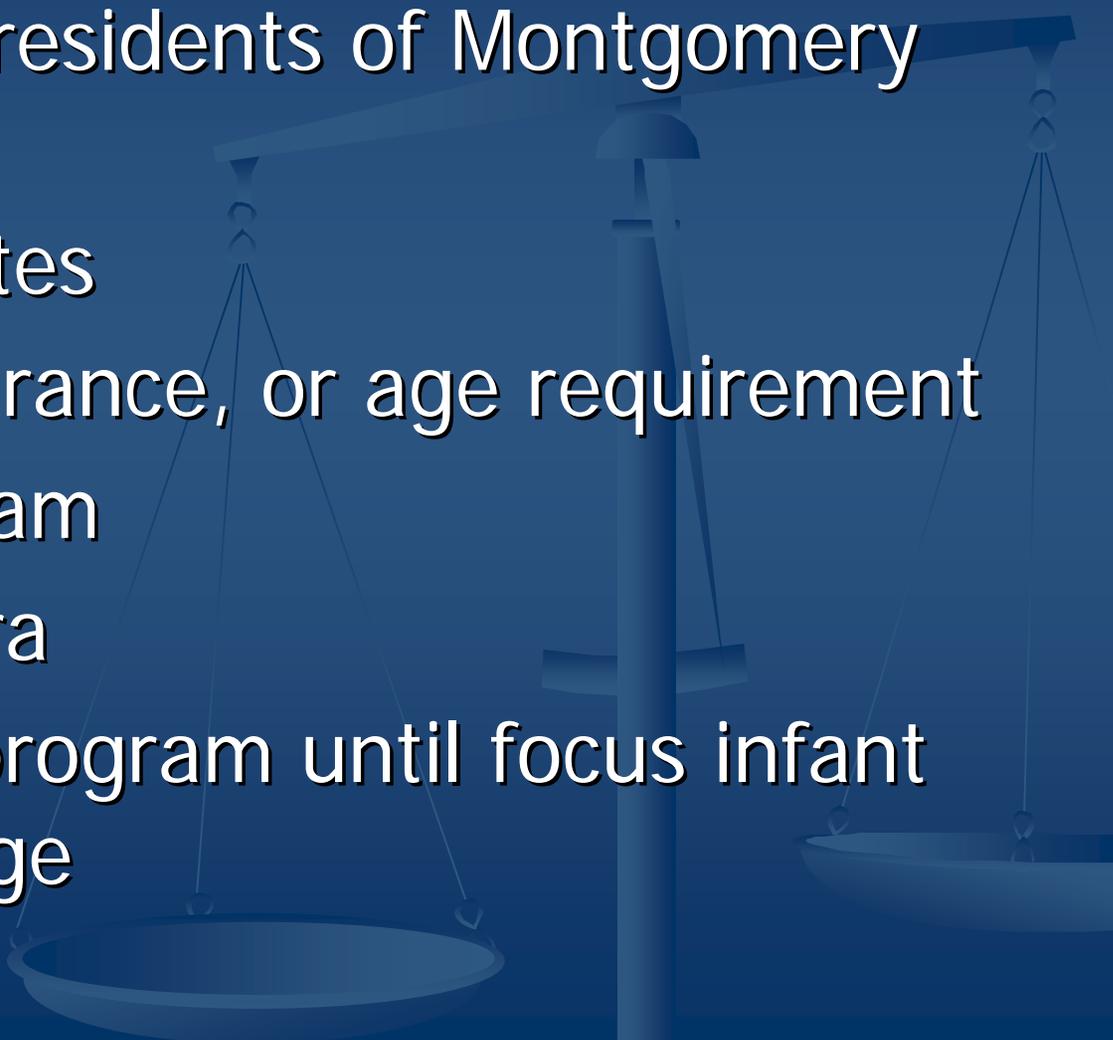
S.M.I.L.E. Staff

- All RNs
 - One holds MPH, one holds BS
 - All are certified childbirth educators
 - One is Certified Lactation Counselor
 - Two are Certified Lactation Coach
 - All have Labor and Delivery Room Experience
 - One has nursery and NICU experience
- 

SMILE Services

- Home Visiting, Case Management
 - 12 hour Childbirth and Lactation Education classes, 2-3 times/year
 - Preconception health, STI and healthy living classes at middle and high schools
 - Preconception health workshops for adult women at community venues
 - Outreach at health fairs and other community events
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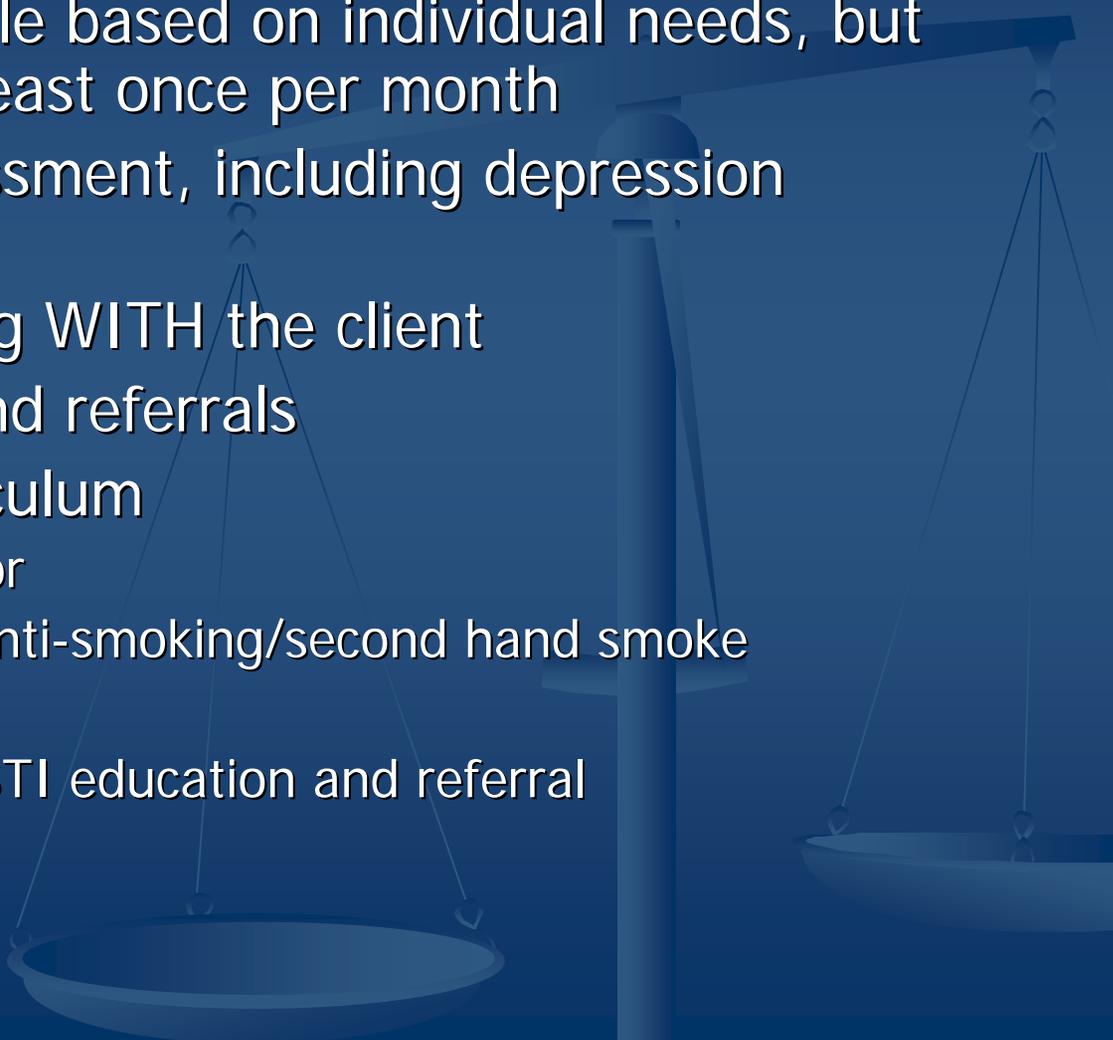
Targeted clientele and eligibility for Home visiting and case management

- Black pregnant residents of Montgomery County
 - High risk neonates
 - No income, insurance, or age requirement
 - Voluntary program
 - May be multipara
 - May remain in program until focus infant is one year of age
- 

Philosophy and Practice Model

- Culturally sensitive and appropriate
 - Appreciation for differences in ethnicity, and individual variation
- Family-centered
 - Include whoever is identified as “family”; inclusion of father where possible, parents of teen moms, etc.
- Strength-based approach
 - Identify and work with client and family strengths instead of focus on deficits

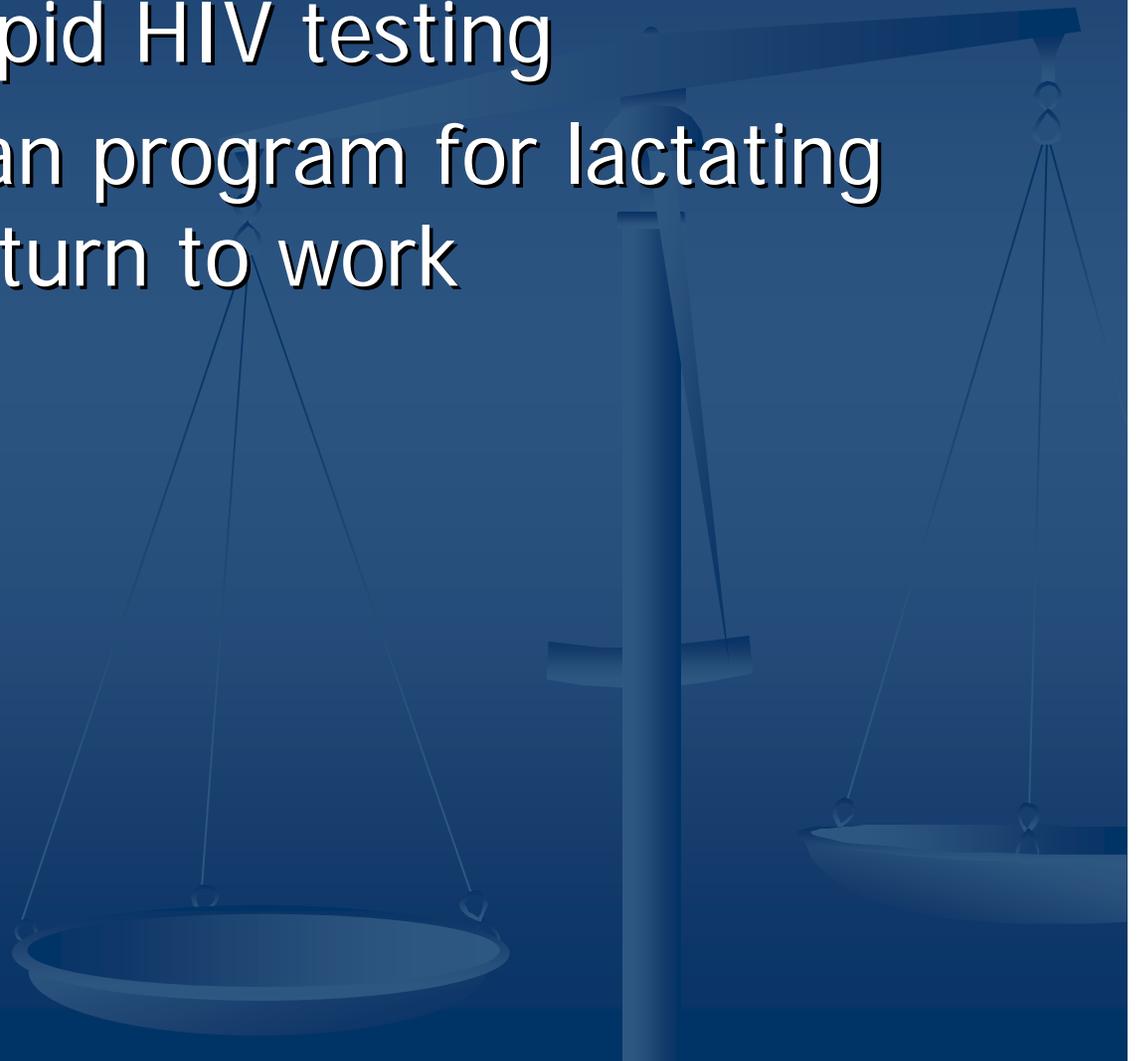
Elements of Care



- Home visiting schedule based on individual needs, but everyone is seen at least once per month
- Comprehensive assessment, including depression screening
- Tailored care planning WITH the client
- Case management and referrals
- Comprehensive curriculum
 - Signs of pre-term labor
 - Strong emphasis on anti-smoking/second hand smoke
 - Breast feeding
 - HIV testing and HIV/STI education and referral
 - Family planning

Elements of Care

- In-home oral rapid HIV testing
- Breast pump loan program for lactating mothers who return to work





**The African American Health Program/
S.M.I.L.E**

(Start More Infants Living Equally-healthy)

Presents:

FREE CLASSES

NO CHILDREN WILL BE ALLOWED. Must be a Montgomery County resident. Please bring some form of ID.

PLEASE BRING PILLOWS AND A MAT FOR THE CLASS ON THE 22ND. LABOR COACHES AND FATHERS ARE WELCOME.



The African American Health Program is funded by the Montgomery County Department of Health and Human Services and administered by BETA H Associates, Inc.



(FIND OUT HOW TO QUALIFY)

- Free Pack-N-play Crib (new)
- Free Car Seat (new)
- Free one-year rental of a Medela double-breast electric pump

These are not your ordinary childbirth/breastfeeding classes!

Learn what you need to know to have a healthy baby.

Childbirth & Breastfeeding Education

June 15, 16, 22, 23

CLASS TIMES: 6-8 PM • Dinner provided

Eastern Montgomery Regional Services Center

3300 Briggs Chaney Rd, Silver Spring, MD 20904

For more information and to register please call:

Saundra Jackson RN, BSN, CCE (301) 421-5487

Nia Williams RN, BSN, MPH, CCE (301) 421-5489

Melanie Hunter, RN, CLC, CCE (301) 421-5490

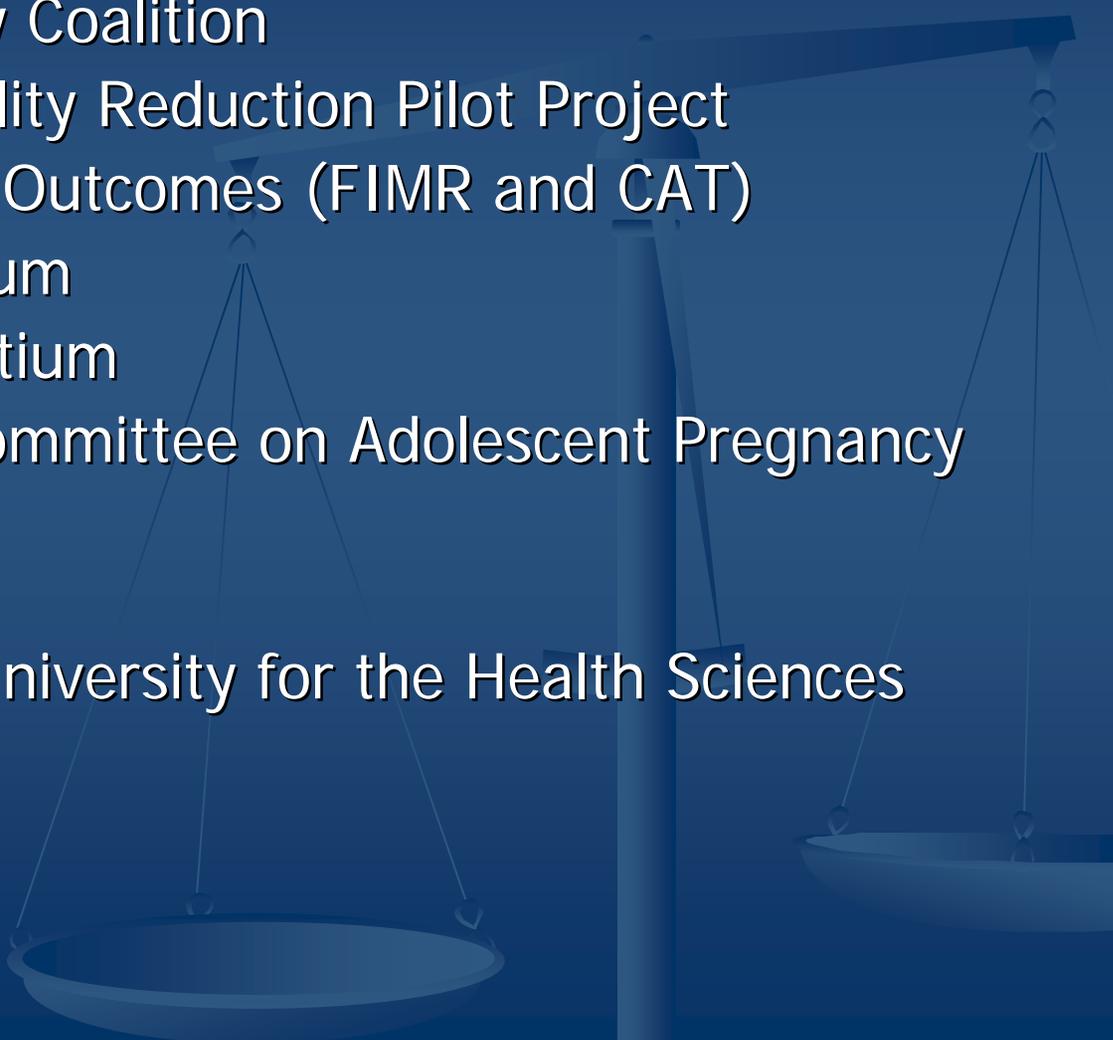
CLASSES WILL FILL FAST SO REGISTER EARLY!

For directions visit: www.onehealthylife.org

Attn: Metro Riders: The Center is located next to the Police Sub-Station and the Briggs Chaney Park & Ride

Take Metro Bus Z6 Burtonsville or Z8 Green Castle to Briggs Chaney Park & Ride or Ride On-39

Collaborations

- AAHP Infant Mortality Coalition
 - Minority Infant Mortality Reduction Pilot Project
 - Improved Pregnancy Outcomes (FIMR and CAT)
 - Child Safety Consortium
 - Home visiting Consortium
 - ICAP (Interagency Committee on Adolescent Pregnancy and Prevention)
 - Crittenton Services
 - Uniformed Services University for the Health Sciences
 - Westat
- 
- A faint, light blue background image of a balance scale is visible on the right side of the slide. The scale is positioned vertically, with its central pillar and horizontal beam extending across the right half of the frame. Two pans are suspended from the beam, one on each side. The scale is slightly tilted, with the right pan appearing lower than the left. The background is a solid dark blue color.

Collaborating to Reduce Black Infant Mortality

- With increasing caseloads, the need for a data management system was apparent. With limited program funding and staff expertise, AAHP sought collaboration with the newly created Center for Health Disparities at the Uniformed Services University of the Health Sciences (USUHS), located in the County, to assist in designing the system.
- The goal was the development of a user-friendly, multipurpose client record and data collection, analysis and report generating system which could be used by the nurses, management staff and researchers.

Collaborating to Reduce Black Infant Mortality

- Additional resources were needed to provide the computer programming to make this system a reality.
- Westat, a nationally known research corporation, also located in the County, had been selected to provide an evaluation plan and services for AAHP.
- They agreed to collaborate with AAHP and USUHS to convert the tool to a Microsoft Access system and with DHHS to add the SMILE data management system to the County server with appropriate security measures.

Collaborating to Reduce Black Infant Mortality

The impact of nurse home visitation on birth outcomes in African American women

- Natalie Wells MD MPH 1, Chiao-Wen Hsiao, BS 2, Lauren Hill, PhD 2,5, Nicole Vaughn, PhD 3, Brenda Lockley, RN,MS 4 and Tracy Sbrocco, PhD 2,5
- (1) Preventive Medicine and Biometrics, Uniformed Services University of the Health Sciences, Bethesda, Maryland; (2) Uniformed Services University Center for Health Disparities Research and Education, Bethesda, Maryland; (3) Center for Health Equality, Drexel University School of Public Health, Philadelphia, Pennsylvania; (4) African American Health Program, Montgomery County, Maryland Department of Health and Human Services, Silver Spring, Maryland; (5) Medical and Clinical Psychology, Uniformed Services University of the Health Sciences

Collaborating to Reduce Black Infant Mortality

■ Conclusions

- Findings from this study of the influence of this county-based program on pregnancy outcomes in this restricted population are encouraging, suggesting that infants born to high-risk mothers who receive ante-partum home visits are at a minimum 66% less likely to have a low birth weight or be delivered preterm as those born to mothers who did not receive ante-partum home visits. The benefits of increased birth weight and longer gestational age in this population are known to reduce neonatal morbidity and infant mortality. Future study of this program will focus on:
 - Replicating these findings employing random assignment to ante-partum home visits versus a control to evaluate program efficacy.
 - Identify program components specifically associated with influencing adverse reproductive outcomes in African American women.
 - Evaluate the effect of program participation on the long-term goal of reduced infant mortality in this population of women.

Selected Outcomes

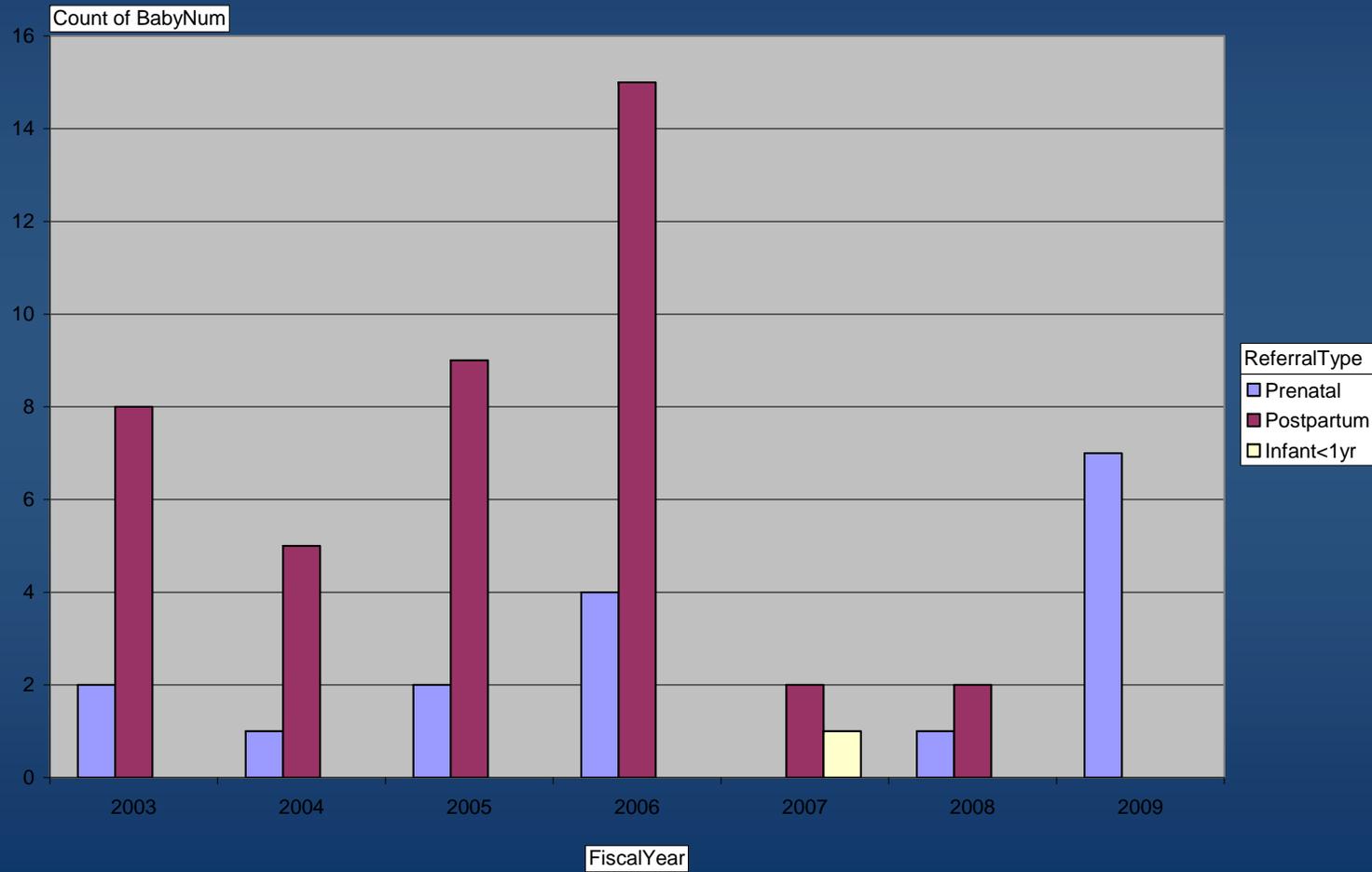


Fiscal Year	Total
2003	32
2004	53
2005	56
2006	100
2007	81
2008	65
2009	97
2010	51
Grand Total	535

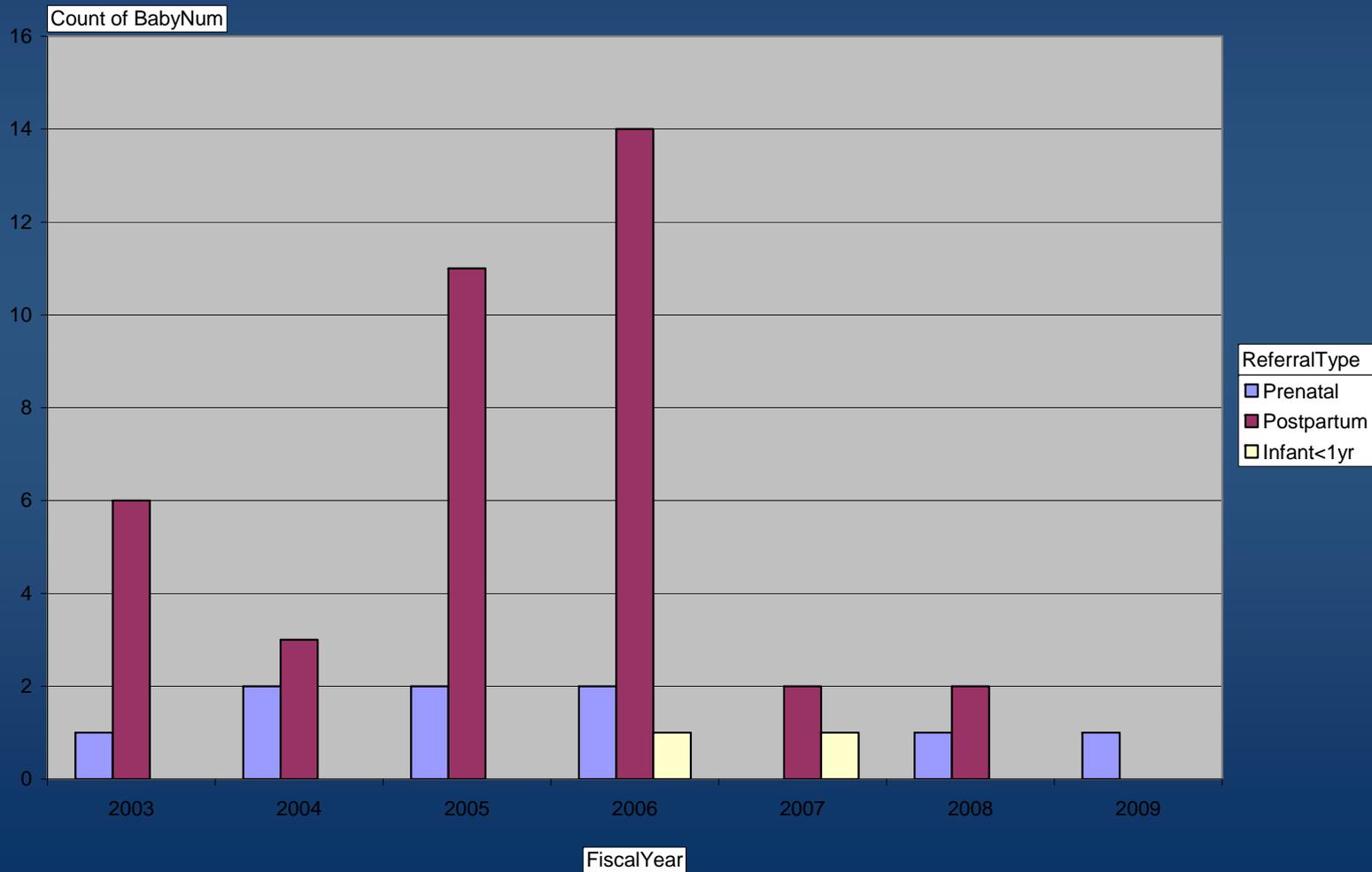
Clients Enrolled by Referral Type

Fiscal Year	Prenatal	Postpartum	Grand Total
2003	17	15	32
2004	25	23	48
2005	28	28	56
2006	40	59	99
2007	36	38	74
2008	52	11	63
2009	80	17	97
2010	43	8	51
Grand Total	321	199	520

Preterm infants by referral type



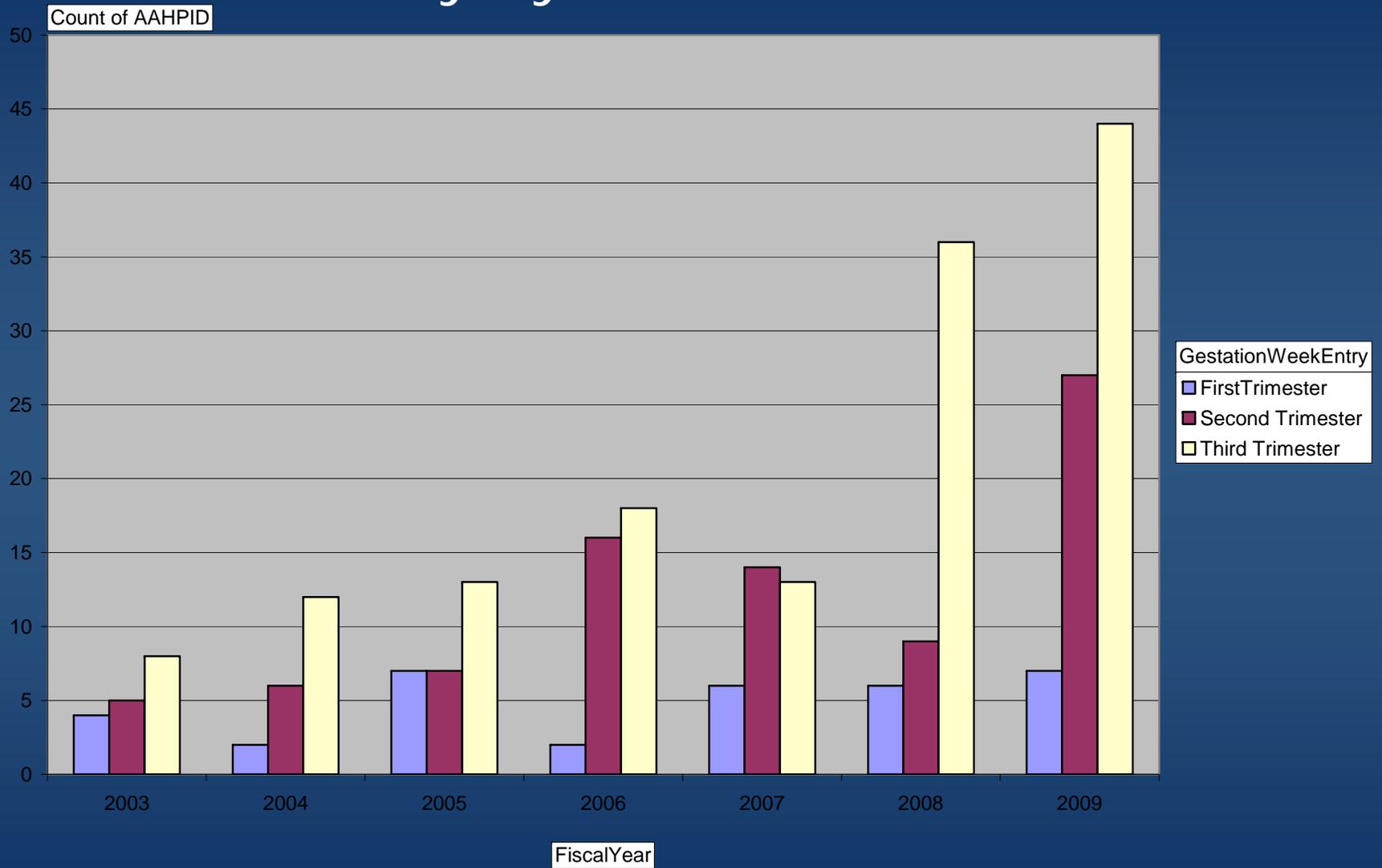
Low Birth Weights by Referral Type



Pre-term and Low Birth Weight

# Prenatal Clients (2003 to 2010 to date)	# Preterm Deliveries	# of low birth weight deliveries (exclusive of multiple birth)
321	17 (5%)	9 (3%)

Entry by Trimester



Making a Difference

Outcome	Prior History	SMILE Outcome
Stillbirth	14	1*
Infant Death	9	1*
Preterm Births	62	20
Low Birth Weight	40	9

Contact AAHP

African American Health Program

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Fax: 301-421-5975

Web site: www.onehealthylife.org