Sacramento County
MCAH Needs Assessment
2013-2014

Introduction

- The California Department of MCAH, requires local health jurisdictions to monitor specific MCAH health indicators and incorporate them into their 5-year MCAH plans

- The purpose of the needs assessment process is:

  - To engage community stakeholders and partners in obtaining a comprehensive picture of the health and well-being of MCAH populations in Sacramento County.

  - To work with stakeholders to set local MCAH priorities.

  - To develop specific strategies to address local MCAH problems to incorporate into the County's 5-year plan.

Needs Assessment Process Overview

- Review Local MCAH Data
- Prioritize Health Problems to Address
- Conduct Problem Analysis
- Obtain Additional Feedback from other stakeholder groups
- Identify Interventions and Strategies
- Identify Resources and Partners
- Review and provide feedback to the Sacramento County 5-year MCAH Plan

Sacramento County MCAH Indicator Summary

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Sacramento County Health Education Unit

January 14, 2014

Overview

- Background
- 8 MCAH Concentration Areas
- Prioritization Options
  - Data Presentation
- California Breathing Data
- Questions

General Demographics

Population	Sacramento County	Statewide
Total	1,430,884	37,570,307
African American	142,508/10.0%	2,195,986/5.8%
American Indian / Alaska Native	8,012/0.6%	163,262/0.4%
Asian / Pacific Islander	215,906/15.1%	4,994,323/13.3%
Hispanic	311,394/21.8%	14,277,952/38.0%
White	692,326/48.3%	14,995,619/39.9%
Females	723,995/50.6%	18,736,126/49.9%
Males	694,793/49.4%	18,517,830/50.1%

Data Period: 2009-2011 (FHOP)

Socio-Economic Demographics

Social Determinant Indicator	Sacramento County	Statewide
Poverty (0-200% FPL) per 100 population age 18-64.	34.0%	33.8%
Poverty (0-200% FPL) per 100 population age 0 to 18.	45.8%	45.5%
Children in foster care per 1,000 children age 0 to 17.	9.8 /1000	6.8 /1000
Unemployment per 100 people in the employment market.	12.6% Seeking Employment	12.3% Seeking Employment

Data Period: 2009-2011 (FHOP)

MCAH Concentrations

1. Access to and Utilization of Care*
2. Maternal and Women's Health Indicators*
3. Infant Health Indicators*
4. Nutrition and Physical Activity Indicators
5. Child and Adolescent Health Indicators
6. Population Demographics
7. Socioeconomic Determinants of Health
8. Environmental Health Determinants

*Required Objective Target Selection

Qualification

Some variables are not listed here as they are not significantly different from the state rate/percentage. For a complete list of indicators please contact the Sacramento County MCAH Program.

Objective 1

- Access to and Utilization of Care Indicators
  - At least one target indicator required

Access/Utilization of Care

Indicator	Sacramento County	Statewide
Uninsured per 100 population age 0-18	6.4% N = 24,411	9.3%
Uninsured per female population age 18-64	16.9% N = 76,368	22.1%
Prenatal care in the first trimester per 100 females delivering a live birth	81.2% N = 3,686	83.3%
Medicaid/CHIP enrollees who receive any dental service per 100 enrollees age 1-20	23.9%	52.2%

Access/Utilization of Care

- Uninsured per 100 population age 0-18

Sacramento County:

6.4% Population

Statewide (CA):

9.3% Population

Percent Difference: -31.2% N = 24,411

Healthy People 2020 Goal: Increase proportion of persons with health insurance
Baseline:16.8% Uninsured (83.2% Insured)
Target 0%

Data Period: 2009-2011 (FHOP)

Access/Utilization of Care

- Uninsured per female population age 18-64

Sacramento County:

16.9% Female age 18-64

Statewide (CA):

22.1% Female age 18-64

Percent Difference: -23.5% N = 76,368

Healthy People 2020 Goal: Increase proportion of persons with health insurance
Baseline: 15.6% (2011)
Target: 0%

Data Period: 2009-2011 (FHOP)

Access/Utilization of Care

- Prenatal care in the first trimester per 100 females delivering a live birth

Sacramento County:

81.2% Females (Live Birth)

Statewide (CA):

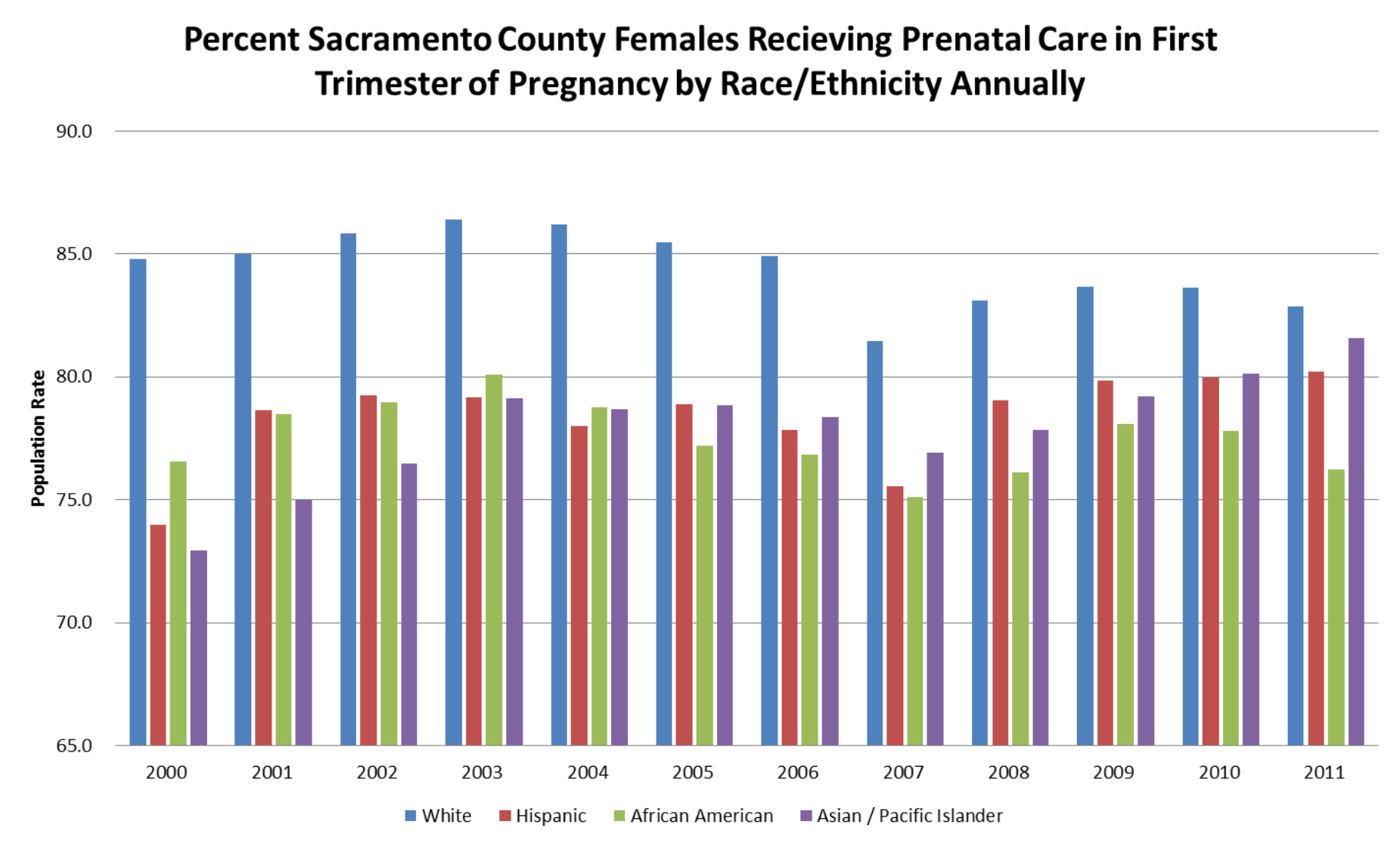
83.3% Females (Live Birth)

Percent Difference: -2.5% N = 3,686* did not receive prenatal care

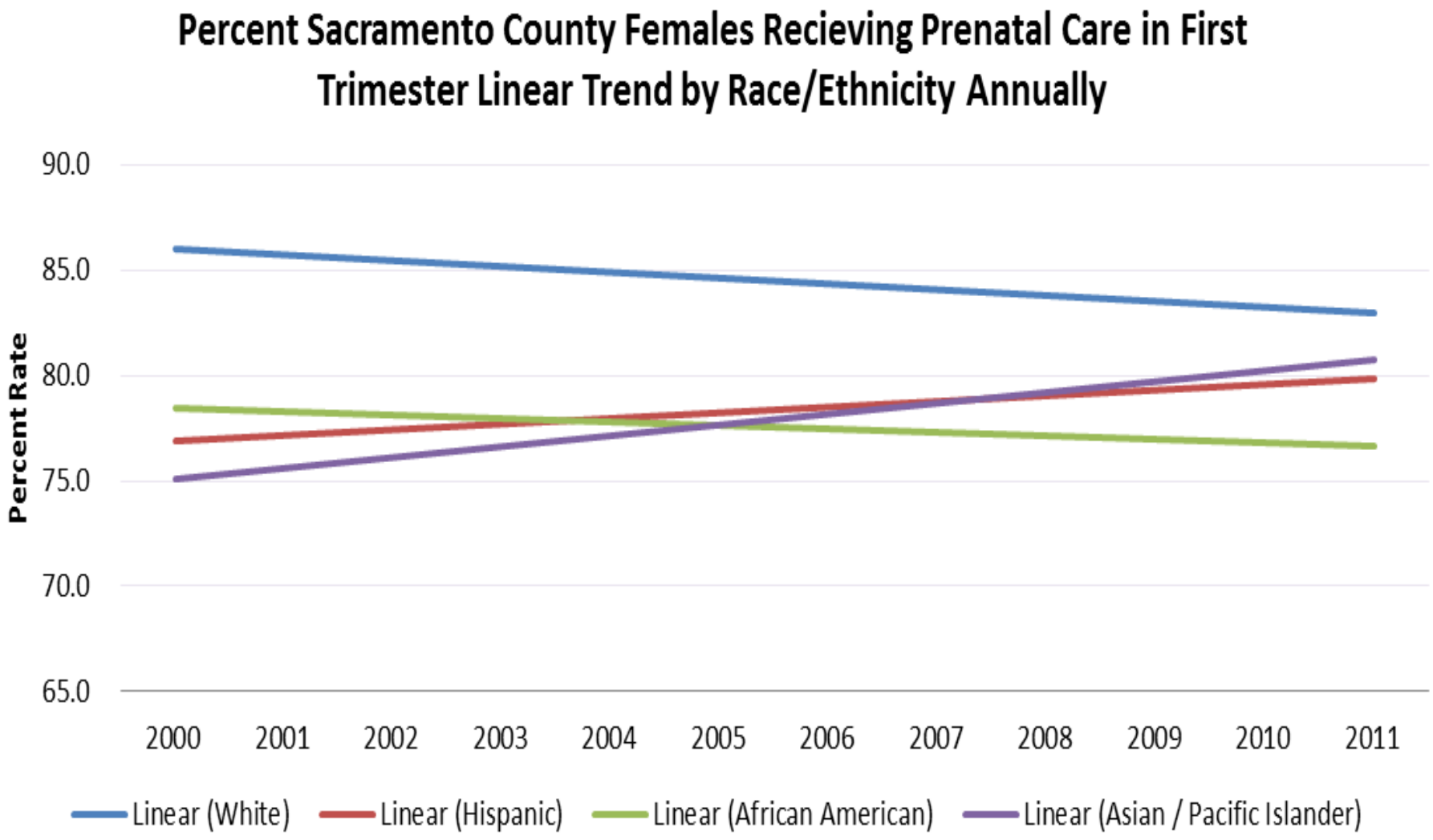
Healthy People 2020 Goal: Increase proportion of pregnant women who receive prenatal care beginning in first trimester
Baseline: 70.8% (2007)
Target: 77.9%

Data Period: 2009-2011 (FHOP) ; *2012 Vital Stats Provisional Data

Prenatal Care Trend



Prenatal Care Linear Trend



Access/Utilization of Care

- Medicaid/CHIP enrollees who receive any dental service per 100 enrollees age 1-20

Sacramento County:

23.9% Enrollees

Statewide (CA):

52.2% Enrollees

Percent Difference: -95.4%

Healthy People 2020 Goal: Reduce the proportion of persons who are unable to obtain or delay in obtaining necessary dental care
Baseline: 5.5% (2007)
Target: 5.0%

Data Period: 2011 (FHOP)

Objective 2

- Maternal and Women Health Indicators
  - At least one target indicator required

Maternal/Women Health

Indicator	Sacramento County	Statewide
Cesarean births per 100 low risk females delivering a live birth	24.2% N = 4,744	27.6%
Gestational diabetes per 1,000 females age 15-44 delivering a live or still-born infant in-hospital	2.7% N = 53	1.0%
Substance use diagnosis per 1,000 hospitalizations of pregnant females age 15-44	25.4/1,000	14.0/1,000
Mood disorder hospitalizations per 100,000 female population age 15-44	1549.0/100,000 N = 4,873	1030.6/100,000
Assault hospitalizations per 100,000 females age 15-44	21.9/100,000 N = 69	10.6/100,000
Any smoking during the 1st or 3rd trimester per 100 females with live births	10.5% N = 2,059	8.1%
Current smoker per 100 females age 18 and older	16.8% N = 91,848	11.0%

Maternal/Women Health

- Cesarean births per 100 low risk females delivering a live birth

Sacramento County:

24.2% Females (live birth)

Statewide (CA):

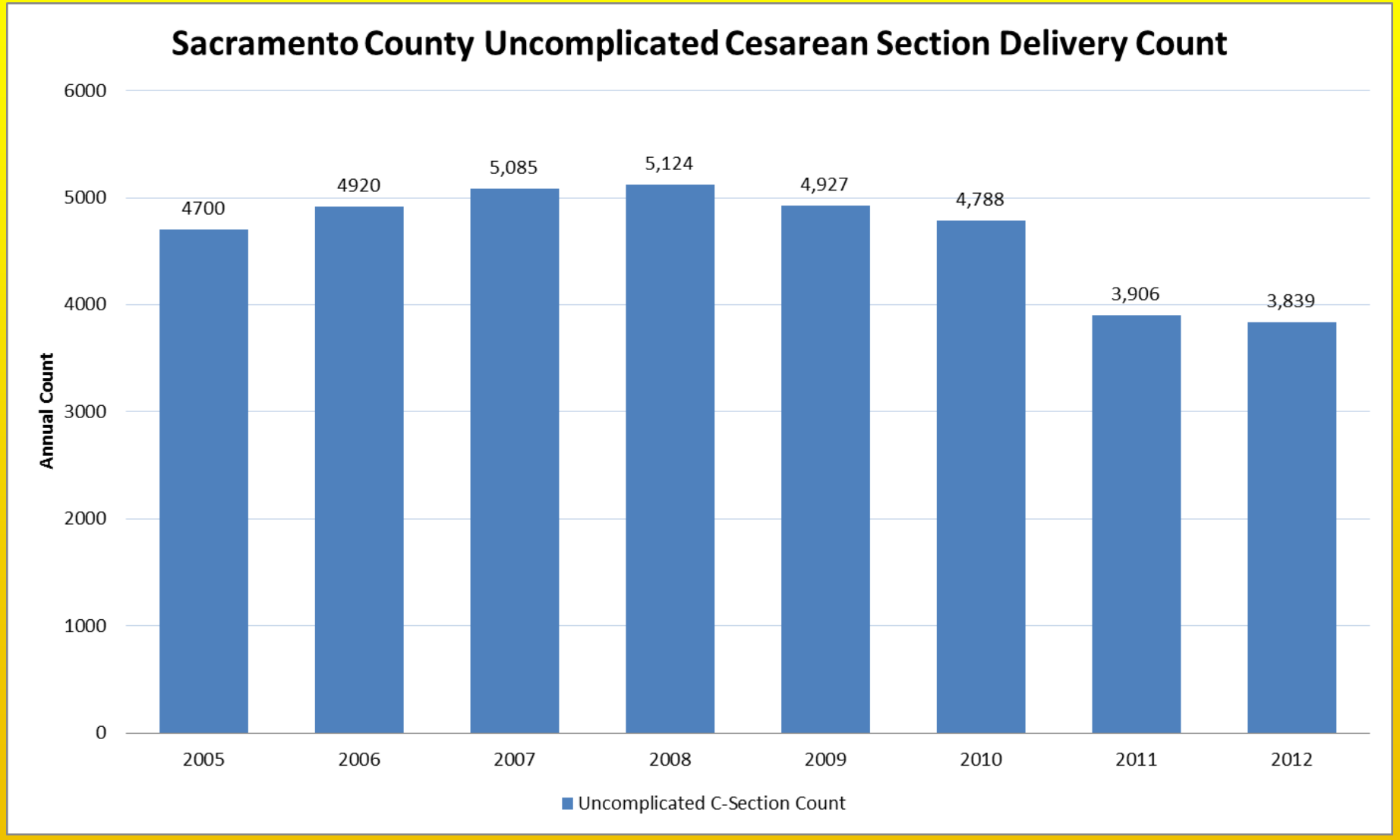
27.6% Females (live birth)

Percent Difference: -12.3% N = 4,744*

Healthy People 2020: Reduce cesarean births among low-risk women with no prior cesarean births
Baseline: 26.4% (2010); Target: 23.9%
Healthy People 2020: Reduce cesarean births among low-risk women with prior cesarean birth
Baseline: 89.9% (2010); Target: 81.7%

Data Period: 2009-2011 (FHOP) ; *2012 Vital Stats Provisional Data

Uncomplicated C-Section Count



Maternal/Women Health

- Gestational diabetes per 1,000 females age 15-44 delivering a live or still-born infant in-hospital

Sacramento County:

2.7 per 100 Births

Percent Difference: 170.0% N = 53*

Statewide (CA):

1.0 per 100 Births

Data Period: 2009-2011 (FHOP) ; *2012 Vital Stats Provisional Data

Maternal/Women Health

- Substance use diagnosis per 1,000 hospitalizations of pregnant females age 15-44

Sacramento County:

25.4 per 1,000 Pregnant Females

Percent Difference: 81.4%

Statewide (CA):

14.0 per 1,000 Pregnant Females

Data Period: 2009-2011 (FHOP)

Maternal/Women Health

- Mood disorder hospitalizations per 100,000 female population age 15-44

Sacramento County:

1549.0 per 100,000 Females

Statewide (CA):

1030.6 per 100,000 Females

Percent Difference: 50.3% N = 4,873

Healthy People 2020 Goal: Reduce the proportion of adults aged 18 years and older who experience major depressive episodes
Baseline: 6.4%
Target 5.8%

Data Period: 2009-2011 (FHOP)

Maternal/Women Health

- Assault hospitalizations per 100,000 females age 15-44

Sacramento County:

21.9 per 100,000 Females

Percent Difference: 106.6% N = 69

Statewide (CA):

10.6 per 100,000 Females

Data Period: 2009-2011 (FHOP)

Maternal/Women Health

- Any smoking during the 1st or 3rd trimester per 100 females with live births

Sacramento County:

10.5% Females (live birth)

Percent Difference: 29.6% N = 2,059*

Statewide (CA):

8.1% Females (live birth)

Data Period: 2011 (FHOP); *2012 Vital Stats Provisional Data

Maternal/Women Health

- Current smoker per 100 females age 18 and older

Sacramento County:

16.8% Females

Statewide (CA):

11.0% Females

Percent Difference: 52.7% N = 91,848

Healthy People 2020 Goal: Reduce cigarette smoking by adults (age 18+)
Baseline: 16.8 (2011)
Target: 12.0%

Data Period: 2011-2012 (FHOP)

Objective 3

- Infant Health Indicators
  - At least one target indicator required

Infant Health Summary

Indicator	Sacramento County	Statewide
Fetal and infant death during perinatal period per 1,000 live births and fetal deaths	5.3/1,000 N = 104	4.9/1,000
Deaths at age less that 1 year per 1,000 live births	5.4/1,000 N = 106	4.9/1,000
Births less than 37 weeks gestation per 100 live births	8.5% N = 1,667	8.6%
Births weighing less than 1,500 grams per 100 live births	1.4% N = 274	1.1%

Infant Health

- Fetal and infant death during perinatal period per 1,000 live births and fetal deaths

Sacramento County:

5.3 per 1,000 Live Birth & Fetal Death

Statewide (CA):

4.9 per 1,000 Live Birth & Fetal Death

Percent Difference: 8.2% N = 104*

Healthy People 2020 Goal: Reduce the rate of fetal deaths at 20 or more weeks of gestation
Baseline: 6.2 per 1,000 live births (2005)
Target: 5.6 per 1,000 live births

Data Period: 2009 (CDPH); *2012 Vital Stats Provisional Data

Infant Health

- Deaths at age less that 1 year per 1,000 live births

Sacramento County:

5.4* per 1,000 Live Births

Statewide (CA):

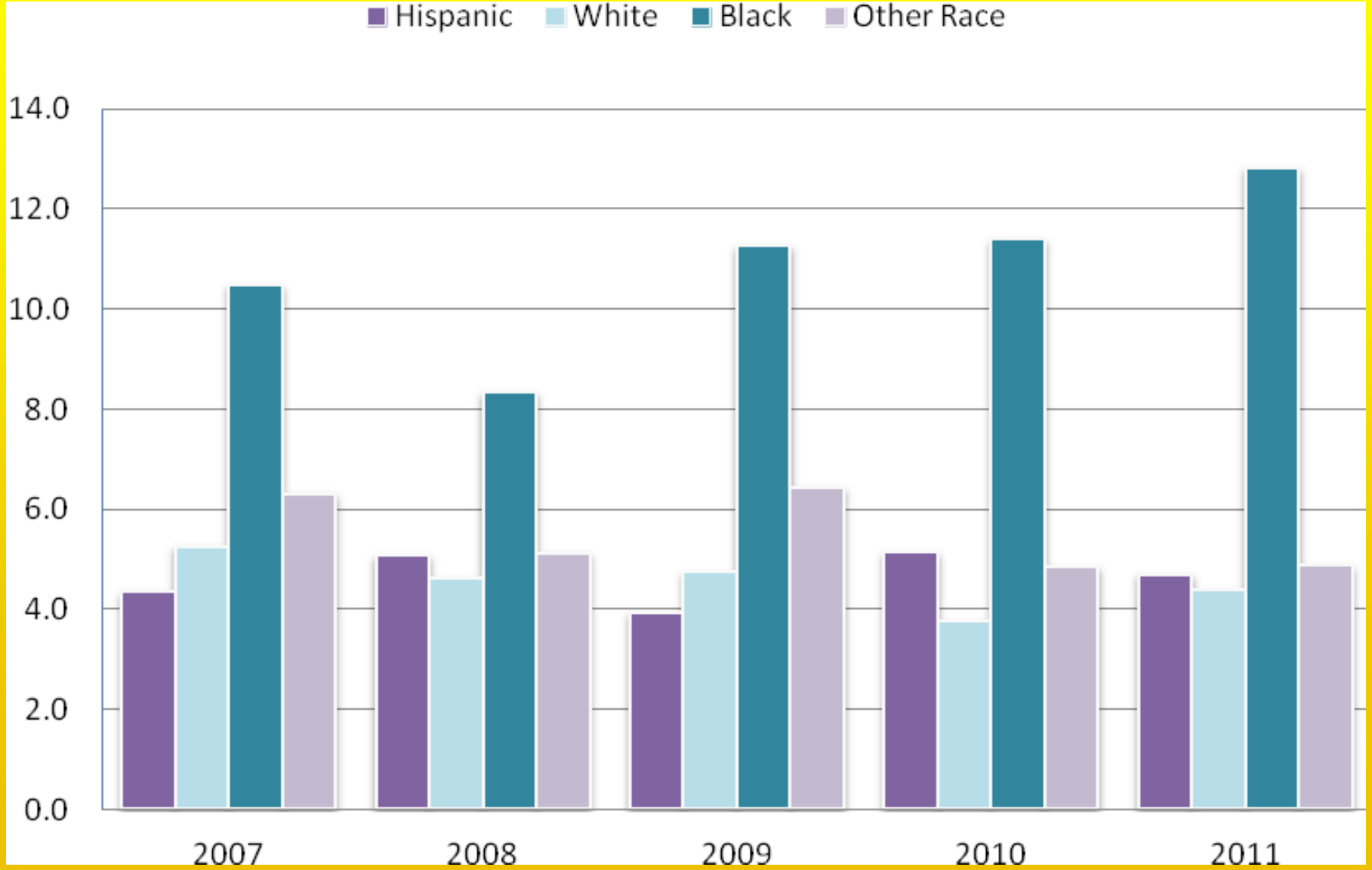
4.9 per 1,000 Live Births

Percent Difference: 10.2% N = 106*

Healthy People 2020 Goal: Reduce the rate of infant deaths (within 1 year)
Baseline: 6.7 per 1,000 live births
Target: 6.0 per 1,000 live births

Data Period: 2009 (CDPH); *2012 Vital Stats Provisional Data

Infants (Age<1) Mortality Rate per 1,000 Live Births in Sacramento County, by Race/Ethnicity



Infant Health

- Births less than 37 weeks gestation per 100 live births

<u>Sacramento County:</u>

8.5% Live Births

<u>Statewide (CA):</u>

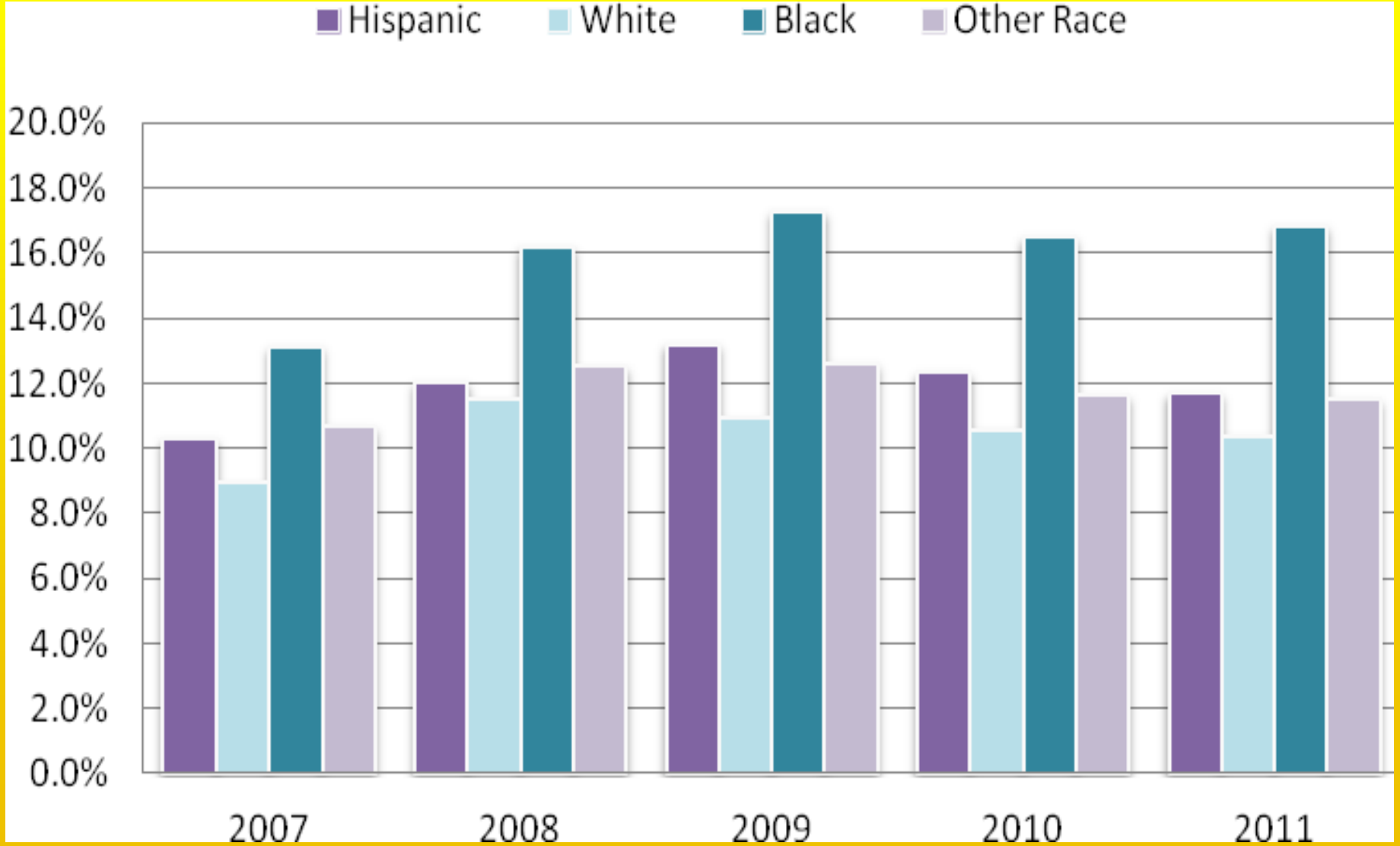
8.6% Live Births

Percent Difference: 1.2% N = 1,667*

Healthy People 2020 Goal: Reduce the rate of infant deaths (within 1 year)
Baseline: 12.0% Live Births (2010)
Target: 11.4% Live Births

Data Period: 2009-2011 (FHOP); *2012 Vital Stats Provisional Data

Proportion of Infants Born Premature in Sacramento County, by Race/Ethnicity



Infant Health

- Births weighing less than 1,500 grams per 100 live births

Sacramento County:

1.4% Live Births

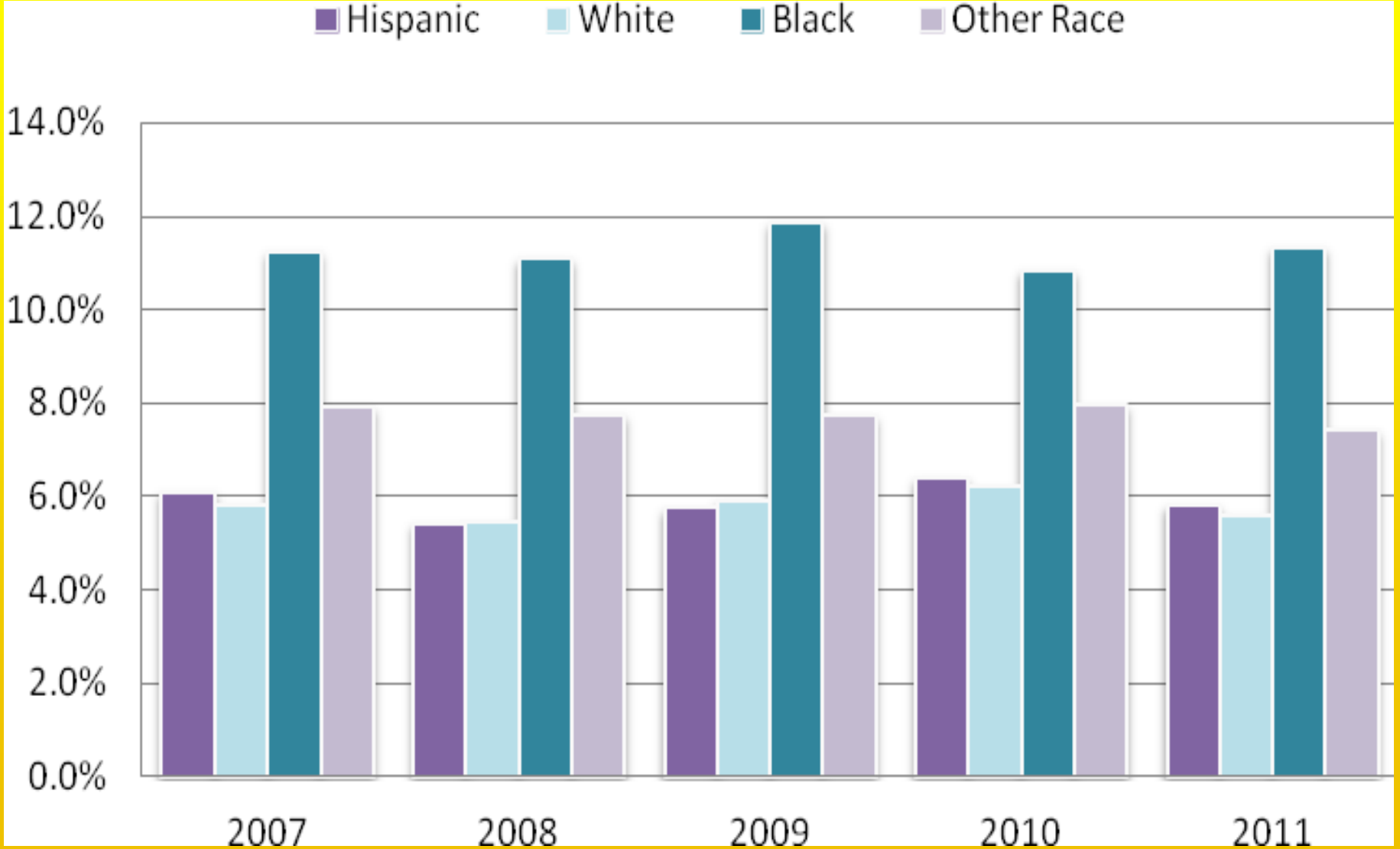
Percent Difference: 27.3% N = 274*

Statewide (CA):

1.1% Live Births

Data Period: 2009-2011 (FHOP); *2012 Vital Stats Provisional Data

Proportion of Infants with Low or Very Low Birthweight by Race/Ethnicity



Objective 4

- Nutrition and Physical Activity Indicators
  - Target indicator selection optional

Nutrition & PA Summary

Indicator	Sacramento County	Statewide
Overweight children per 100 population age 2 to 5 enrolled in the California Child Health and Disability Prevention (CHDP)	28.3%	42.1%
Overweight and obese public school students per 100 population in grade 5	36.1% N = 6,453	38.0%
Exclusive in-hospital breastfeeding per 100 females delivering a live birth	69.4% N = 13,607	62.6%

Nutrition & PA

- Overweight children per 100 population age 2 to 5 enrolled in the California Child Health and Disability Prevention (CHDP)

Sacramento County:

28.3% age 2-5

Percent Difference: -32.8%

Statewide (CA):

42.1% age 2-5

Data Period: 2011 (FHOP)

Nutrition & PA

- Overweight and obese public school students per 100 population in grade 5

Sacramento County:

36.1% grade 5

Percent Difference: -5.0% N = 6,453

Statewide (CA):

38.0% grade 5

Data Period: 2009-2011 (FHOP); CA Department of Education (2012/2013)

Nutrition & PA

- Exclusive in-hospital breastfeeding per 100 females delivering a live birth

Sacramento County:

69.4% Females (Live Birth)

Statewide (CA):

62.6% Females (Live Birth)

Percent Difference: 10.9% N = 13,607*

Healthy People 2020 Goal: Increase the proportion of infants who are ever breastfed
Baseline: 74.0% (2007-2009)
Target: 81.9%

Data Period: 2012 (FHOP); *2012 Vital Stats Provisional Data

Objective 5

- Child/Adolescent Health Indicators
  - Target indicator selection optional

Child/Adolescent Health

Indicator	Sacramento County	Statewide
Births per 1,000 females age 15 to 17 years	14.4%	16.8%
Deaths per 100,000 population age 1 to 4 years	35.6%	21.6%
Exclusive in-hospital breastfeeding per 100 females delivering a live birth	51.2% N = 54	41.7%
Motor vehicle injury hospitalizations per 100,000 population age 0 to 14 years	23.7/100,000 N = 71	18.1/100,000
Mental health hospitalizations per 100,000 population age 15 to 24 years	1697.4/100,000 N = 3,524	1281.9/100,000
Substance abuse hospitalizations per 100,000 population age 15 to 24	799.2/100,000 N = 1,659	638.7/100,000
Reported cases of chlamydia per 100,000 female population age 15 to 24	4181.6/100,000 N = 4,272	2905.4/100,000

Child/Adolescent Health

- Births per 1,000 females age 15 to 17 years

Sacramento County:

14.4 per 1,000 Females age 15-17

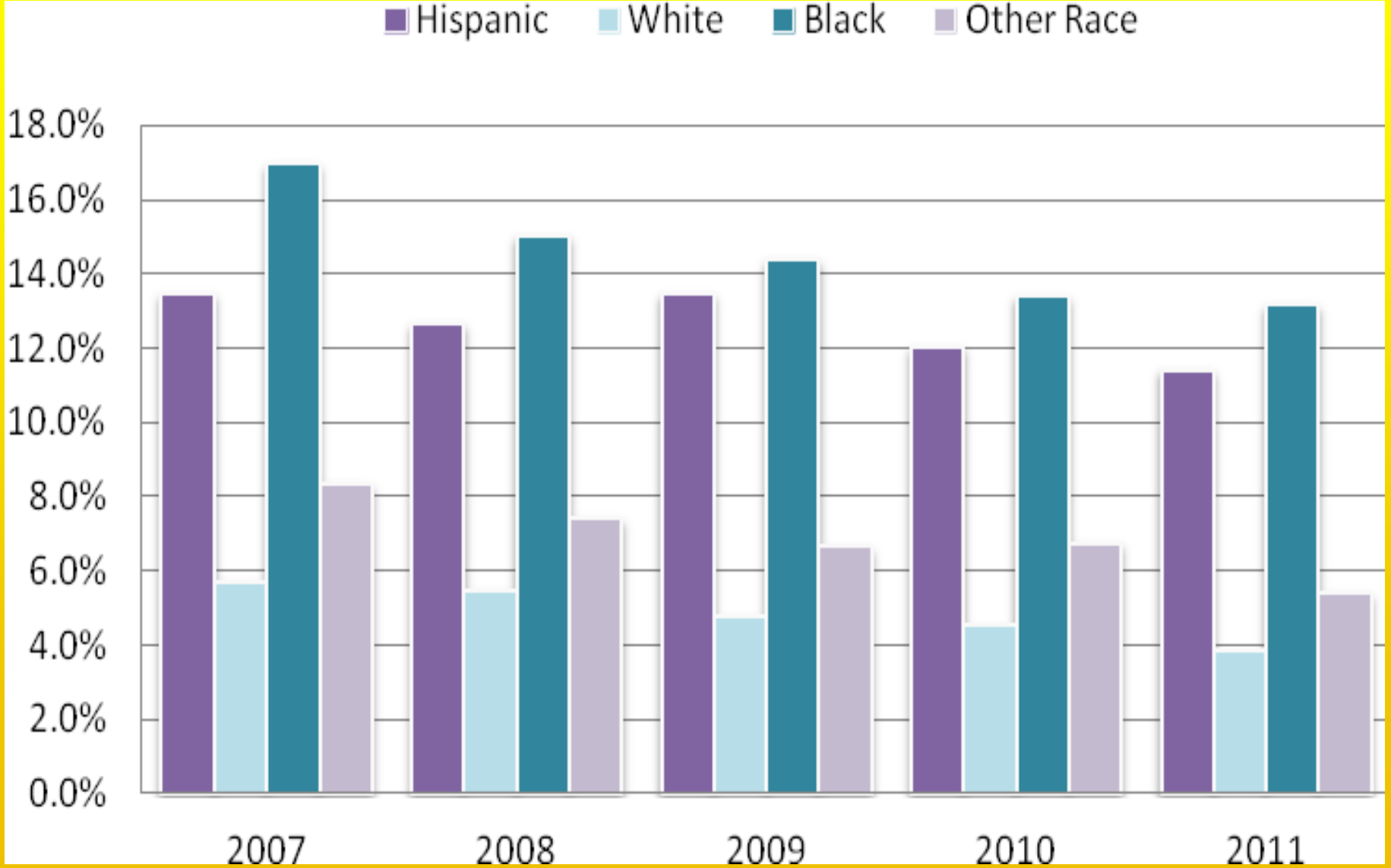
Percent Difference: -14.3%

Statewide (CA):

16.8 per 1,000 Females age 15-17

Data Period: 2009-2011 (FHOP)

Proportion of Teen Births by Race/Ethnicity



Child/Adolescent Health

- Deaths per 100,000 population age 1 to 4 years

Sacramento County:

35.7 per 100,000 age 1-4

Percent Difference: 65.3%

Statewide (CA):

21.6 per 100,000 age 1-4

Data Period: 2009-2011 (FHOP)

Child/Adolescent Health

- Deaths per 100,000 population age 15 to 19 years

Sacramento County:

51.2 per 100,000 age 15-19

Percent Difference: 22.8% N = 54

Statewide (CA):

41.7 per 100,000 age 15-19

Data Period: 2009-2011 (FHOP)

Child/Adolescent Health

- Motor vehicle injury hospitalizations per 100,000 population age 0 to 14 years

Sacramento County:

23.8 per 100,000 age 0-14

Percent Difference: 29.3% N = 71

Statewide (CA):

18.1 per 100,000 age 0-14

Data Period: 2009-2011 (FHOP)

Child/Adolescent Health

- Mental health hospitalizations per 100,000 population age 15 to 24 years

Sacramento County:

1697.4 per 100,000 age 15-24

Percent Difference: 32.4% N = 3,524

Statewide (CA):

1281.9 per 100,000 age 15-24

Data Period: 2009-2011 (FHOP)

Child/Adolescent Health

- Substance abuse hospitalizations per 100,000 population age 15 to 24

Sacramento County:

799.2 per 100,000 age 15-24

Percent Difference: 25.1% N = 1,659

Statewide (CA):

638.7 per 100,000 age 15-24

Data Period: 2009-2011 (FHOP)

Objective 8

- Environmental Health Determinants
  - Target indicator selection optional

Child/Adolescent Health

- Reported cases of chlamydia per 100,000 female population age 15 to 24

Sacramento County:

4,181.6 per 100,000 Females 15-24

Statewide (CA):

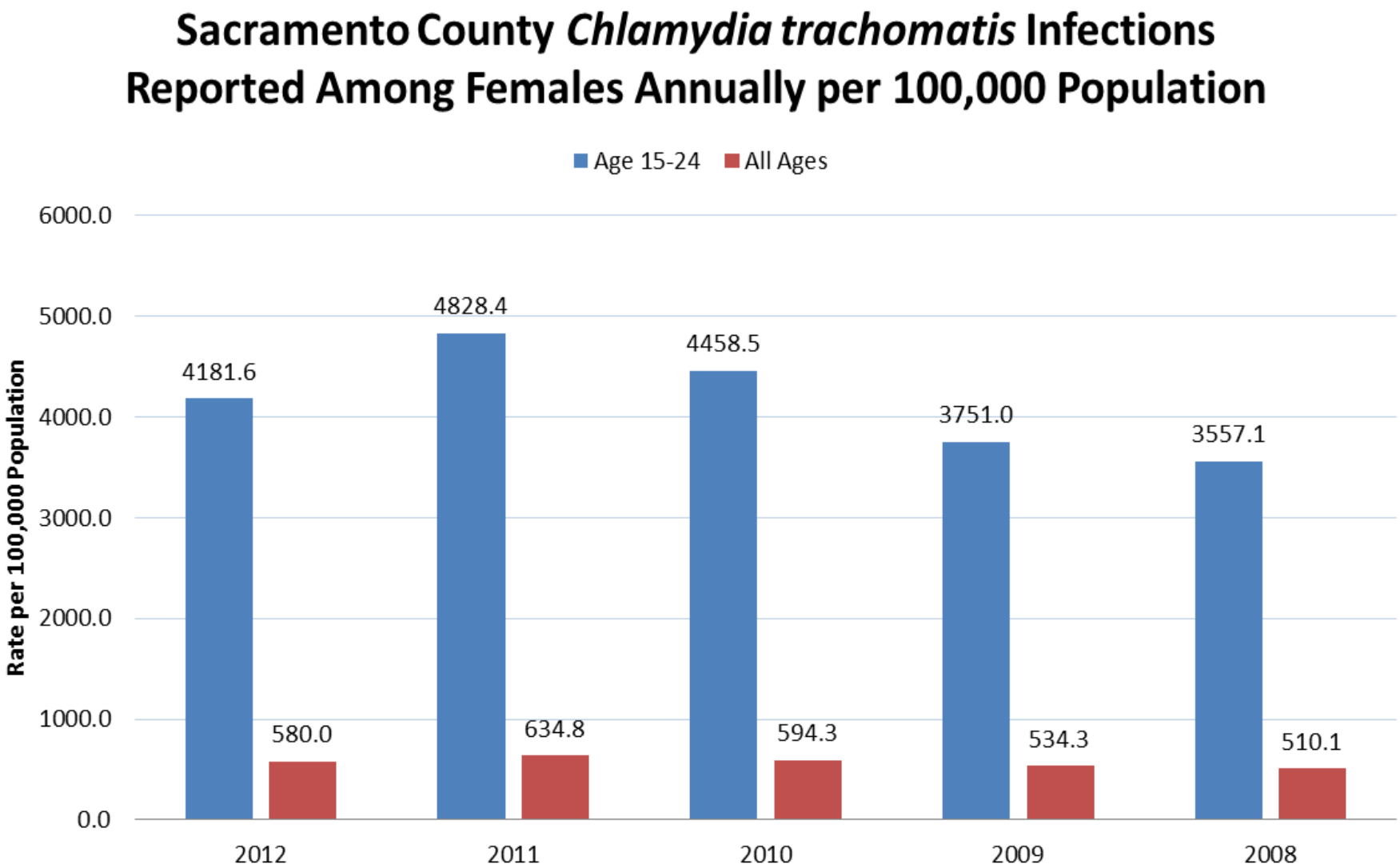
2,905.4 per 100,000 Females 15-24

Percent Difference: 43.9% N = 4,272

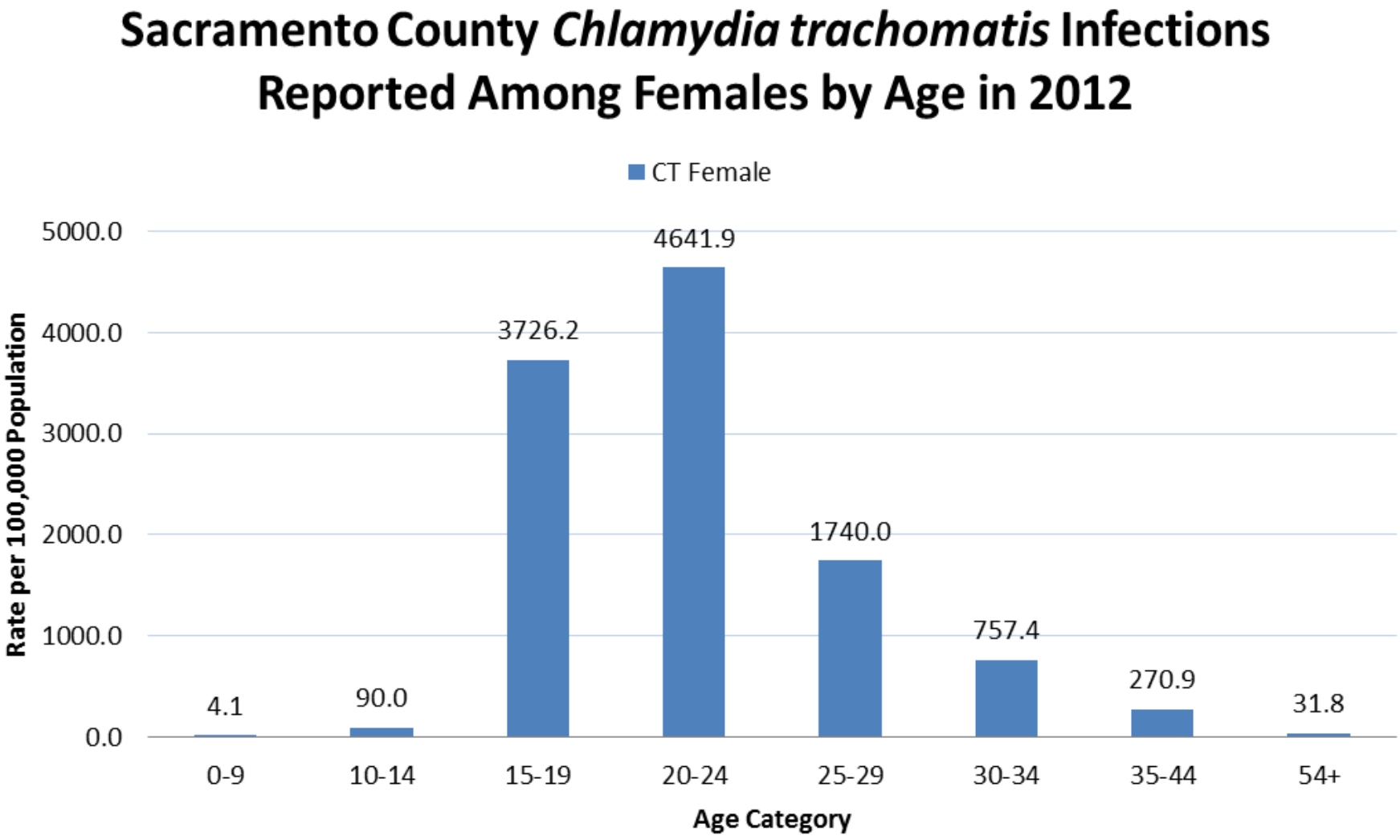
Healthy People 2020 Goal: Reduce the proportion of females age 15 to 24 years with *Chlamydia trachomatis* infections attending family planning clinics
Baseline: 7.4
Target: 6.7%

Data Period: 2012 (FHOP)

Chlamydia Trend



Chlamydia by Age



Environmental Health

- Number of days with ozone above regulatory standards

Sacramento County:

41 per year

Percent Difference: 256.3%

Statewide (CA):

16 per year

Data Period: 2011 (FHOP)

Environmental Health

- Smoking in households with children <5 per 100 enrolled in CHDP

Sacramento County:

3.1% <5 CHDP

Percent Difference: 3.3% N=143*

Statewide (CA):

3.0% <5 CHDP

Data Period: 2009-2011 (FHOP); *Provisional data provided by CHDP Admin

California Breathing

- Asthma Data
  - Data accessed through California Breathing of the California Department of Public Health (CDPH)

Asthma Indicator

- Lifetime Asthma Prevalence

Sacramento County:

12.7% age 0-17

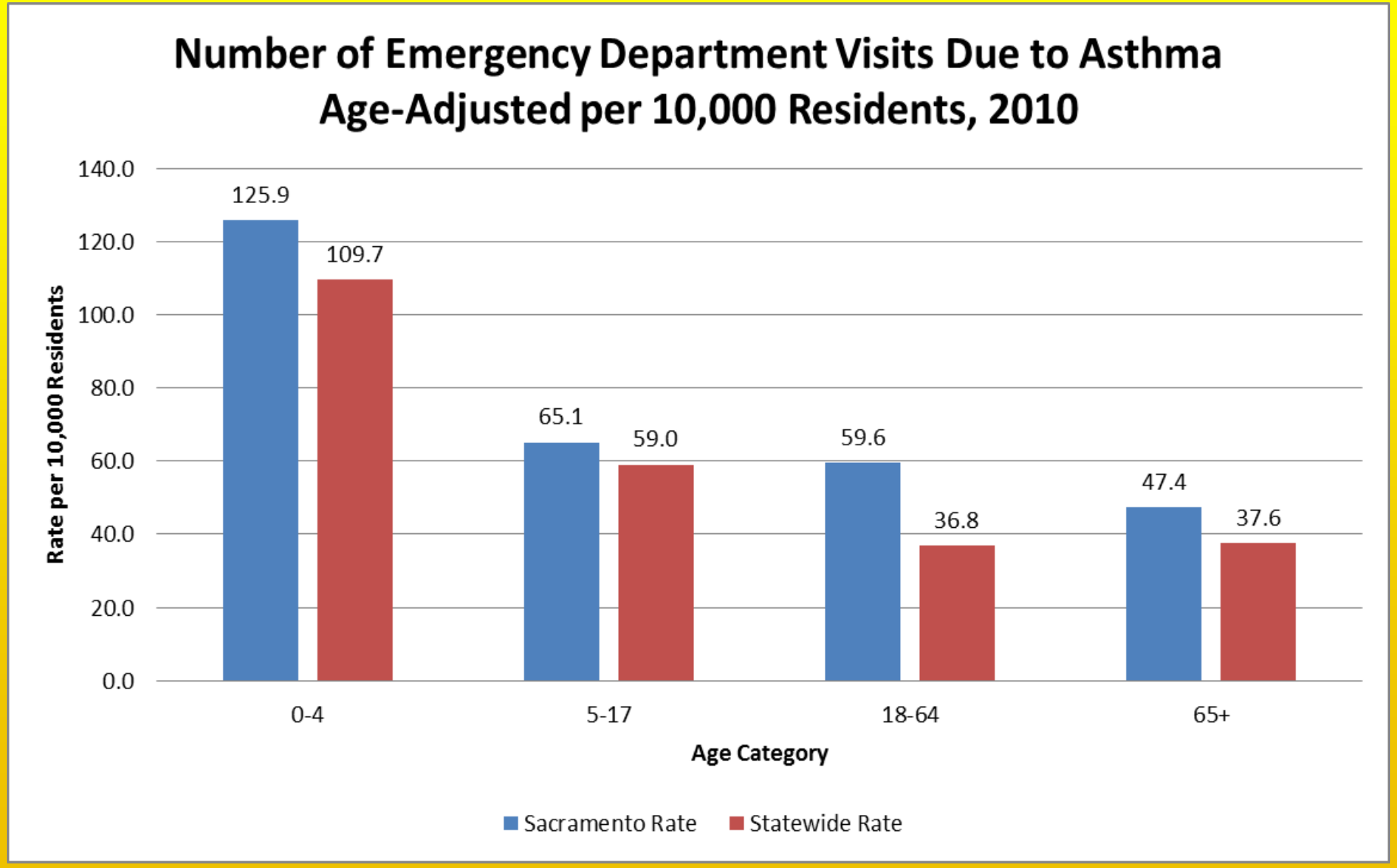
Percent Difference: 11.6% N = 46,108

Statewide (CA):

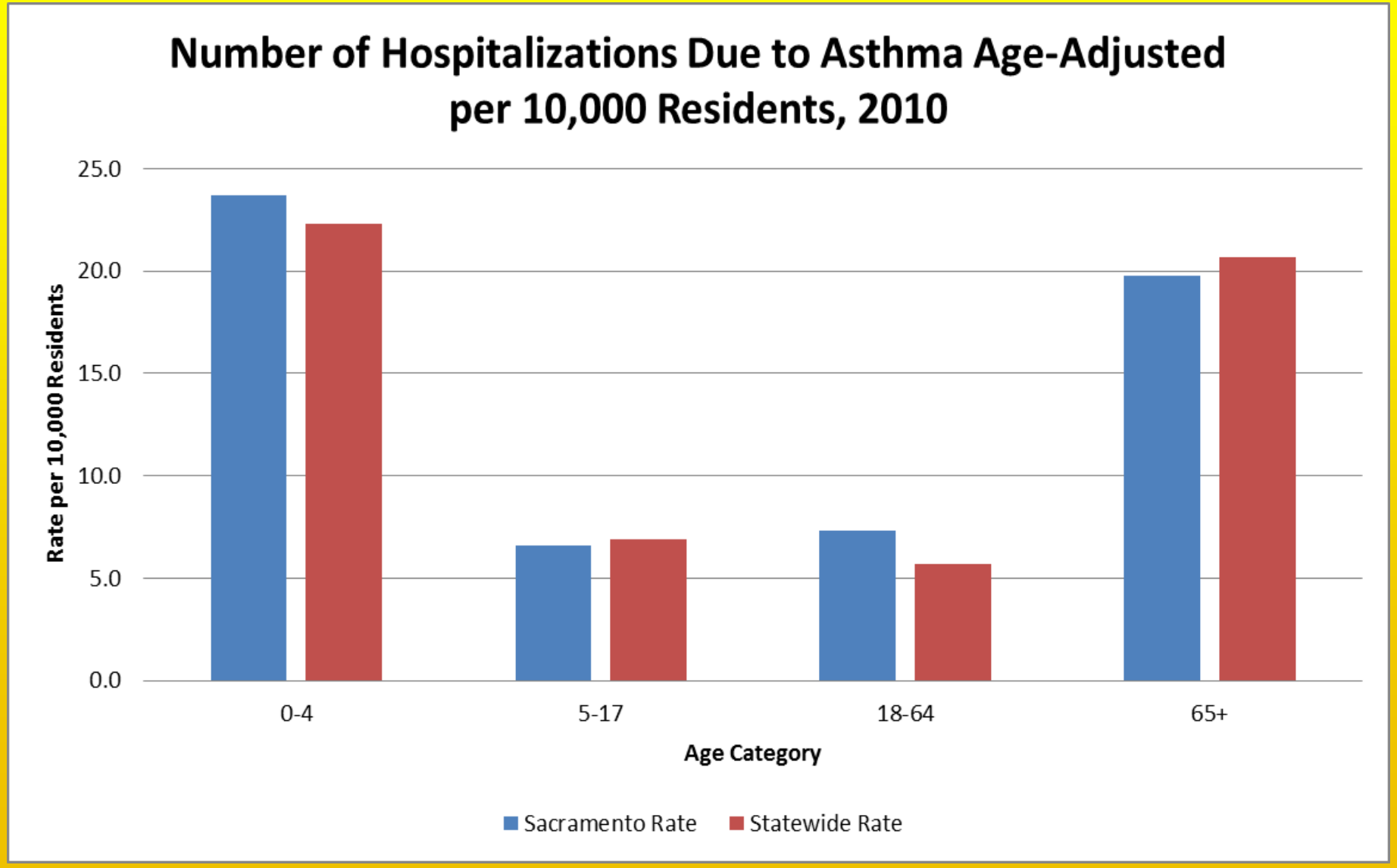
14.2 per 100 age 0-17

Data Period: 2009 (CDPH)

Asthma ED Visits 2010



Asthma Hospitalizations 2010



Questions?

- Many thanks for your time and attention

Contact Information

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MCAH Needs Assessment Breakout Sessions

Improving Outreach and Access Quality Health and Human Services	Improving Maternal and Women's Health	Improving Infant Health	Improving Child and Adolescent Health
Facilitator: Sally Shaw Dr. Karen Hart Cid Van Koersal Kris Meier Pat Dorais Shalen Robison Kate Varanelli Kerry Brown Teresa Anderson	***Facilitator: Sharon Saffold*** Dr. Wang Sheila Holcomb Elaine Ellers Barbara Hart (CRIB) Candy Timoney Michelle Dang Dr. Kasirye	***Facilitator: Quinn Wells*** Dr. Moynihan Effie Ruggles Kate McCauley Stephanie Biegler Dr. Mary Jess Wilson Sheri Heller, Ed.d Jake Pry	***Facilitator: Staci Syas*** Dr. Catherine Vigran Julie Ball Aileen Barandas Shavider Sanga Ana Calderon Rebecca Lewis Bruce Springborn Bonita Mallory