

The State of the Health of Women and Children in Arizona

Bureau of Women's and
Children's Health
March 2013



Health and Wellness for all Arizonans

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Just the Facts-2011 Births

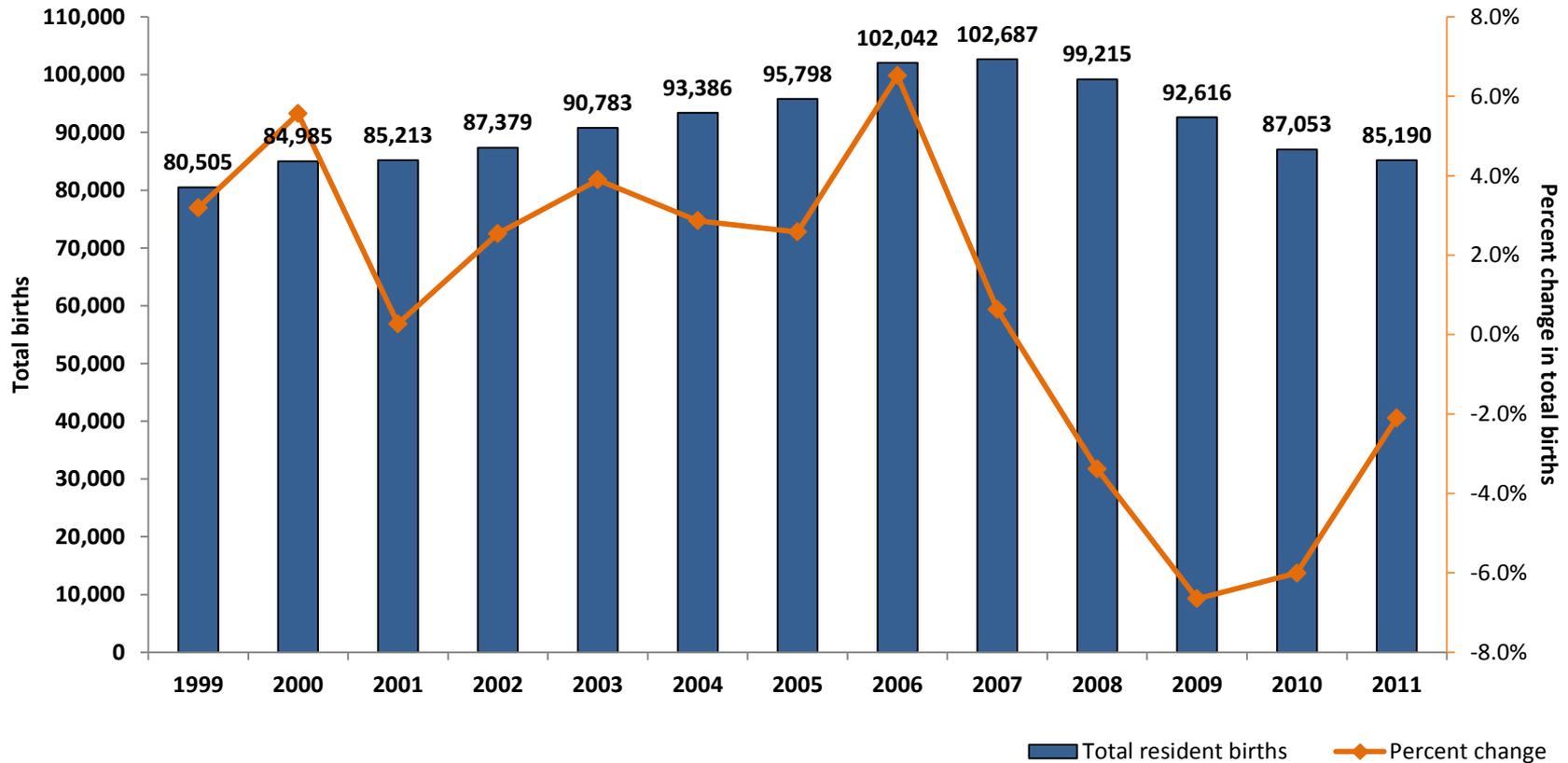
- Infants
 - 85,190 Arizona resident births
 - Preterm Rates
 - Rates have declined 13% since 2005
 - 9.3 preterm births per 100 live births
 - Low Birth Weight Rates
 - Rates remained steady last 10 years
 - Low birth weight (<2,500 grams): 7.1 per 100 live births
 - Very low birth weight (<1,500 grams): 1.1 per 100 live births

Just the Facts-2011 Births

- Teen births are decreasing
 - Teen birth rates declined 38% since 2006
- Teen birth Rates by age group
 - Among 15-19 years olds was 36.9 per 1,000 females
 - Among 15-17 was 18.4 per 1,000 females
 - Among 18-19 was 63.3 per 1,000 females

BIRTHS IN ARIZONA

Total Resident Births and Percent Change in Births by Year, Arizona, 1999-2011



Source: Arizona Vital Statistics, 1999-2011



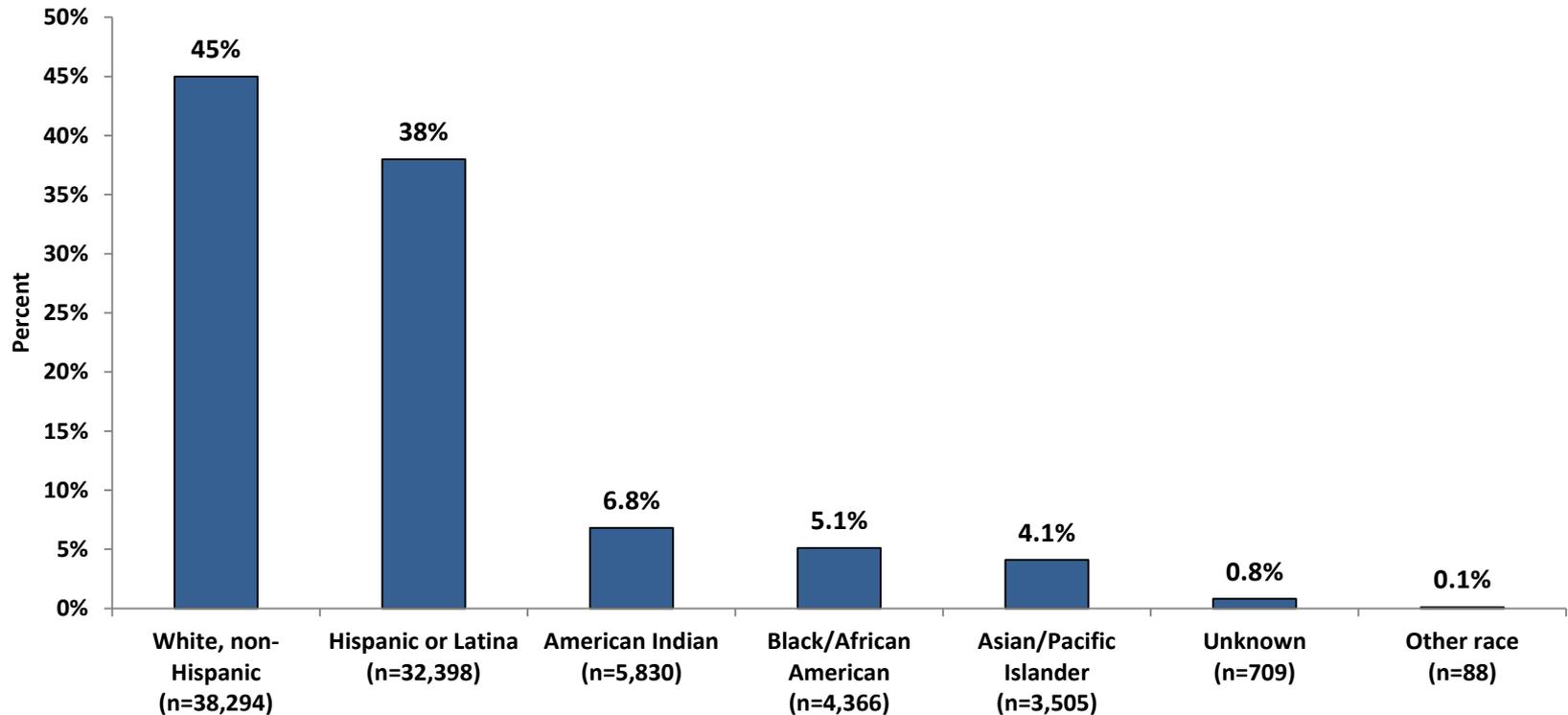
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Births by Race and Ethnicity

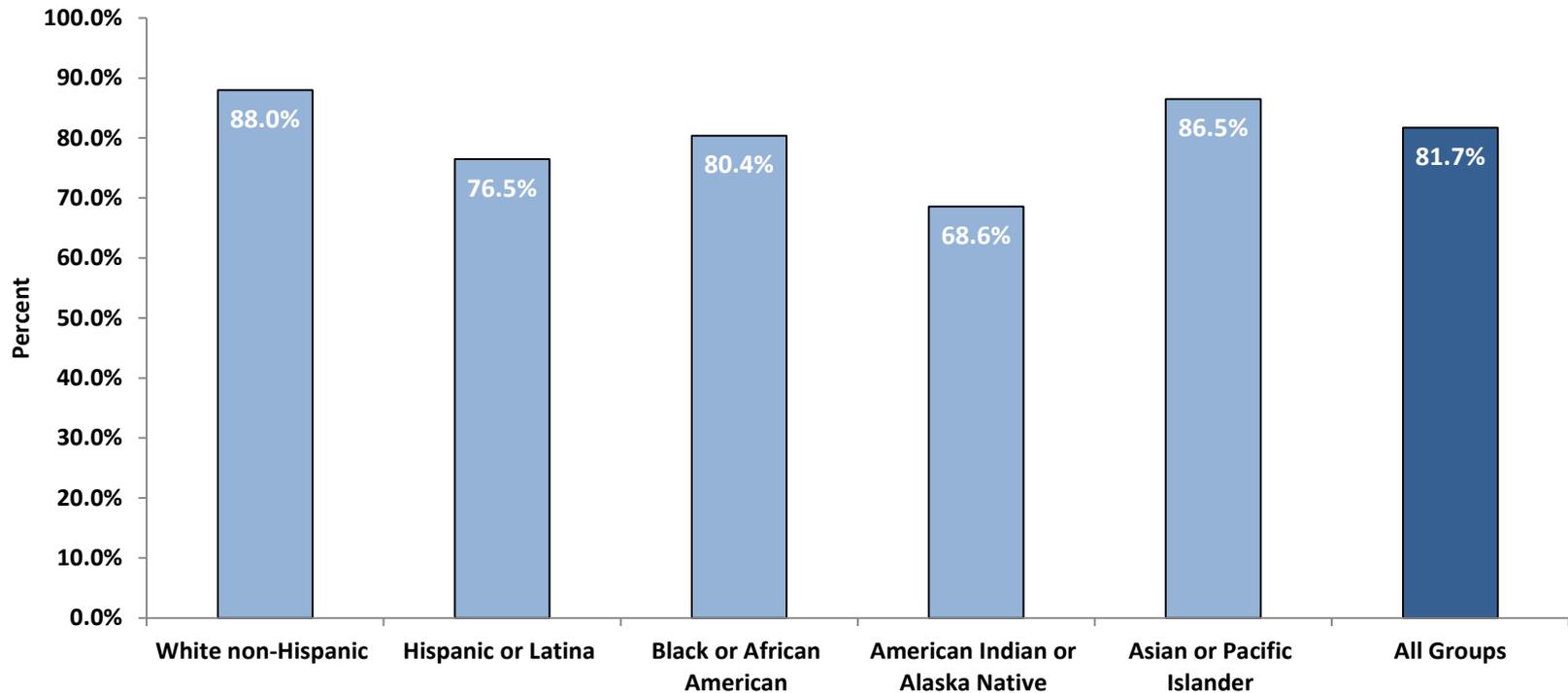
Percent of Total Births by Race and Ethnicity, Arizona, 2011



Source: Arizona Vital Statistics, 2011

PRENATAL CARE (PNC)

First Trimester Prenatal Care by Mother's Race and Ethnicity, Arizona, 2011



Source: Arizona Vital Statistics, 2011



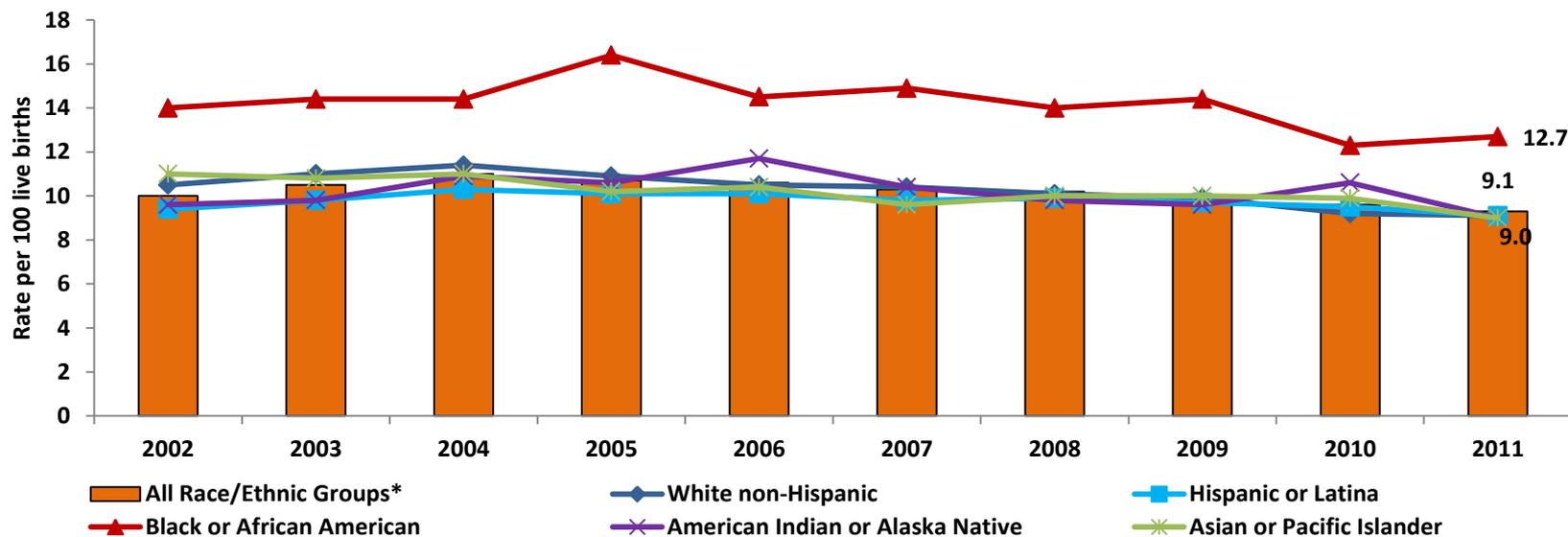
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Preterm Births

Rate of Preterm Births (<37 weeks) by Race and Ethnicity, Arizona, 2002-2011



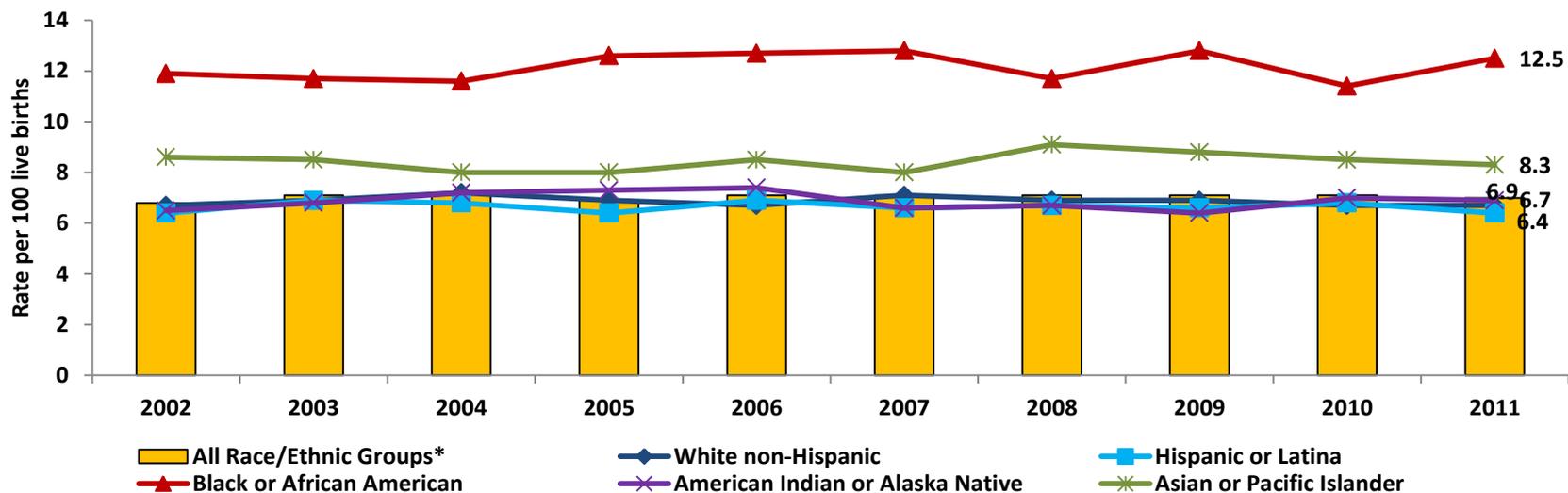
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
White non-Hispanic	10.5	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2	9.1
Hispanic or Latina	9.4	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5	9.1
Black or African American	14	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3	12.7
American Indian or Alaska Native	9.6	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6	9.0
Asian or Pacific Islander	11	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9	9.0
All Race/Ethnic Groups*	10	10.5	11	10.7	10.6	10.3	10.2	10.0	9.6	9.3

*May contain births with unknown mother's Race/Ethnicity

Source: Arizona Vital Statistics, 2002-2011

Low Birth Weight

Low Birthweight (< 2,500 grams)Rate by Race and Ethnicity, Arizona, 2002-2011



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
White non-Hispanic	6.7	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7	6.7
Hispanic or Latina	6.4	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8	6.4
Black or African American	11.9	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4	12.5
American Indian or Alaska Native	6.5	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0	6.9
Asian or Pacific Islander	8.6	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5	8.3
All Race/Ethnic Groups*	6.8	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0

Source: Arizona Vital Statistics, 2002-2011

*May contain births with unknown mother's Race/Ethnicity



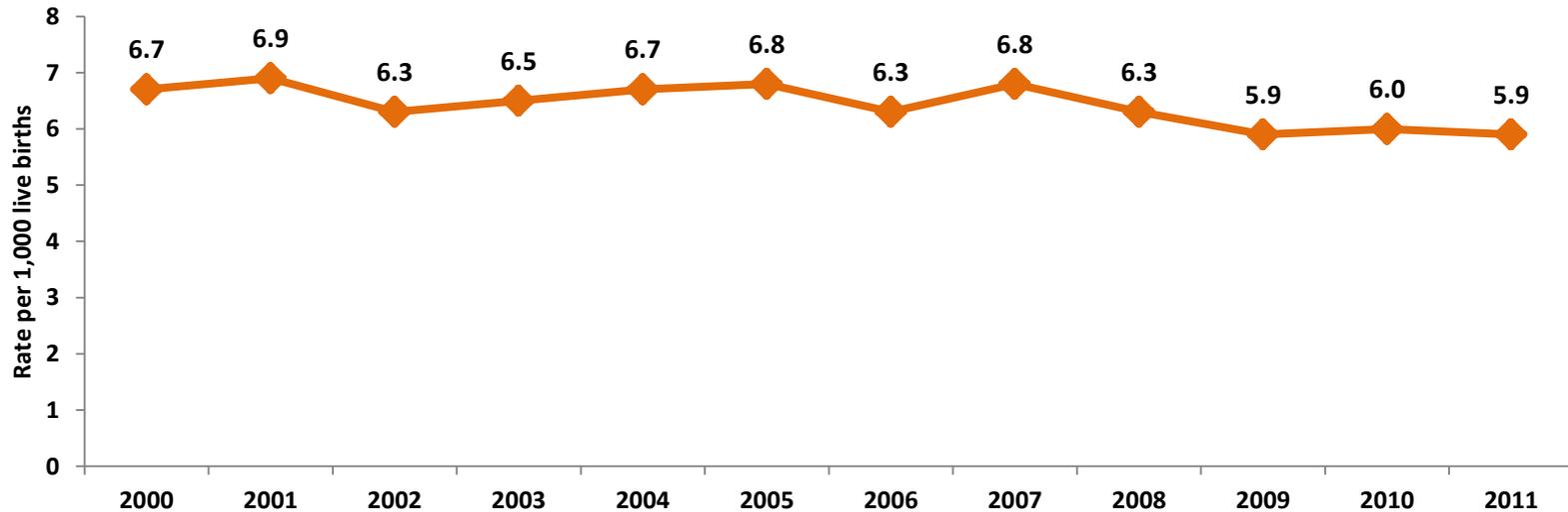
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INFANT MORTALITY RATE (IMR)

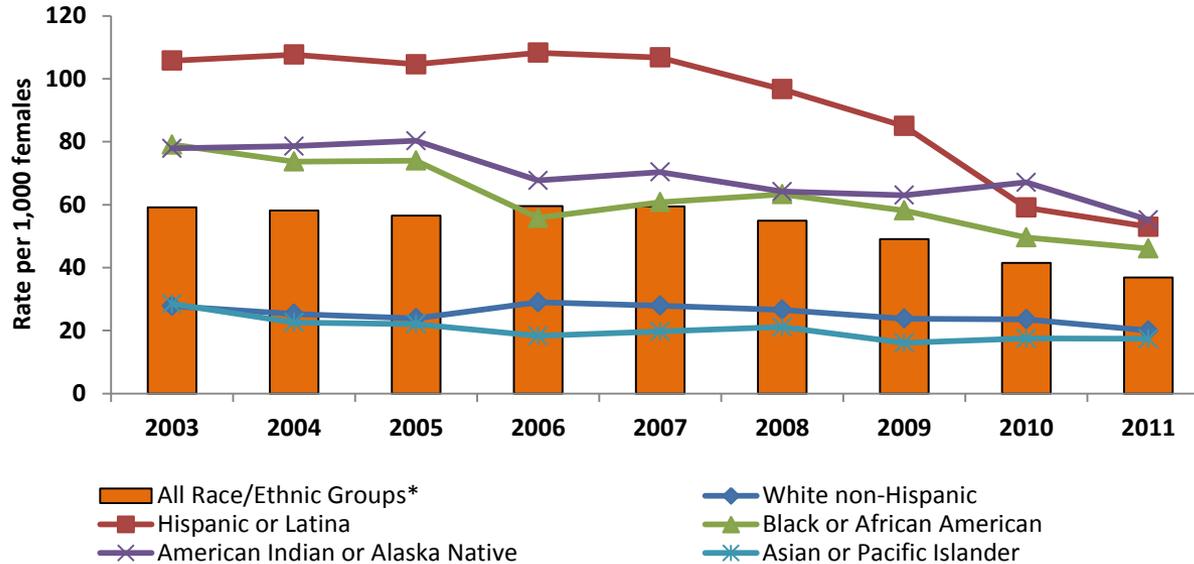
Rate of Infant Mortality per 1,000 Live Births, Arizona, 2000-2011



Source: Arizona Vital Statistics, 2000-2011

Trends in Teen Births by Race and Ethnicity

Birth Rate for Females 15-19 Years Old by Race and Ethnicity
Arizona 2003-2011



	2003	2004	2005	2006	2007	2008	2009	2010	2011
White non-Hispanic	27.8	25.3	23.9	29	27.9	26.6	23.8	23.6	20.0
Hispanic or Latina	105.8	107.7	104.6	108.3	106.8	96.7	85	59.1	53.0
Black or African American	79.1	73.7	74	55.8	60.8	63.3	58.2	49.6	46.1
American Indian or Alaska Native	77.9	78.6	80.3	67.7	70.4	64.2	63	67.1	55.2
Asian or Pacific Islander	28.5	22.6	22.1	18.3	19.7	21.1	16.1	17.5	17.4
All Race/Ethnic Groups*	59.2	58.2	56.5	59.6	59.5	54.9	49.1	41.5	36.9

Just the Facts – Women’s Health

- As of 2011, 2,569,091 women 15 years of age and older reside in Arizona
- Demographics from 2010 U.S. Census:
 - 23% have incomes less than 125% of the Federal Poverty Level
 - 35% of women older than 25 years had some college
 - 15% did not have a high school diploma or equivalency degree

Just the Facts – Women’s Health

- Selected characteristics of Arizona women in 2011
 - 54% of Arizona women 18 years of age and older are overweight or obese
 - 17% of women 18 years of age and older were current smokers
 - 37% of women reported they had high cholesterol with the percentage increasing with age

Source: Behavioral Risk Factor Surveillance System, 2011



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Just the Facts – Women’s Health

- Study show that these health related indicators improve, as education and/or income increase.
 - Access to Healthcare
 - Chronic Diseases
 - Oral Health
 - Reproductive Health
 - Utilization of Preventative health services
 - General health status
 - Healthy Weight
 - Nutrition
 - Physical Activity
 - Smoking

Vision Statement

Healthy Women...

Healthy Children...

Healthy Tomorrow...



Overarching Goals of BWCH

- Reduce mortality and morbidity in the MCH population
- Increase access to health care
- Eliminate health disparities

Bureau Structure & Program Areas

- Children’s Health (home visiting, High Risk Perinatal Program, hearing screening, injury prevention grants, Medical Services Project), county prevention grants
- Women’s Health (teen pregnancy prevention, domestic violence services, sexual violence prevention, preconception health, Health Start)
- Children with Special Health Care Needs (training & education of parents & providers, parent/family & youth involvement)

Bureau Structure & Program Areas

- Oral Health (dental sealants, fluoride mouth rinse, teledentistry)
- Injury Prevention (Safe Kids, Child Fatality Review, Maternal Mortality, Unexplained Infant Death Council, Emergency Medical Services for Children)
- Assessment & Evaluation (Title V Grant, program evaluation, data reports)
- Business & Finance (contracts, purchasing, personnel, equipment, budget)

Maternal and Child Health Services Block Grant



Title V Maternal & Child Health Block Grant

- State Plan for Maternal Child Health
- Annual Block Grant Application
 - 18 National performance measures
 - 7-10 State performance measures
 - Numerous health status indicators
- 5-year Needs Assessment

Bureau of Women's & Children's Health

Strategic Priorities
2010 - 2015



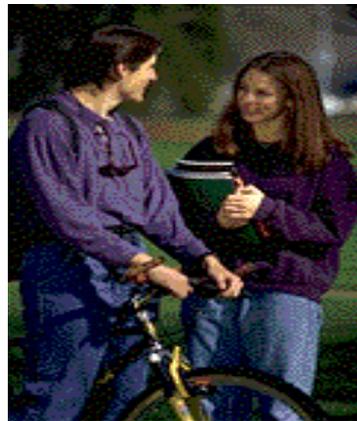
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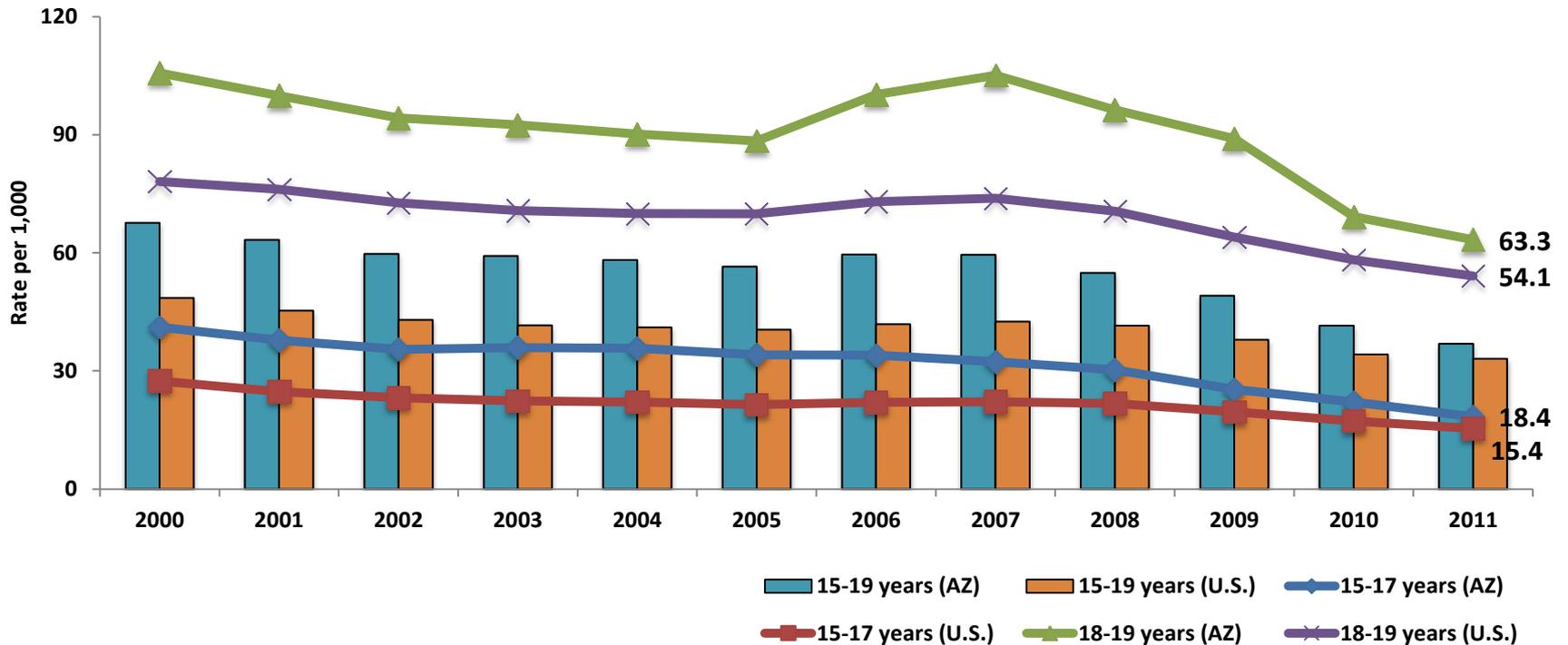
Priority 1:

Reduce rate of teen pregnancy among youth less than 19 years old



Trends in Teen Births

Birth Rate to Females Age 15-19 Years, Arizona and U.S., 2000-2011



Source: Arizona Vital Statistics, 2000-2010
 *U.S. 2011 data is preliminary



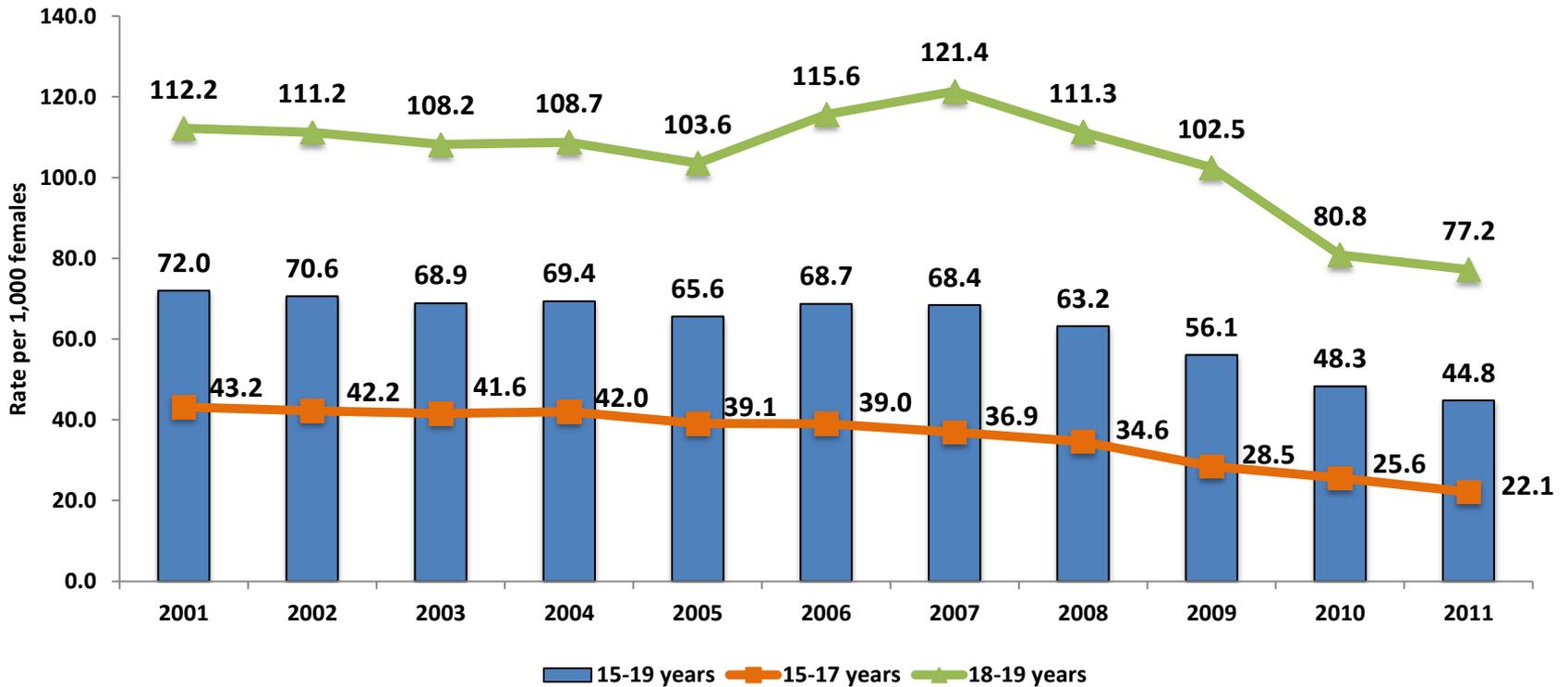
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Trends in Teen Pregnancy

Teen Pregnancy Rates by Age Groups, Arizona, 2001-2011



Source: Arizona Vital Statistics, 2001-2010

Teen Pregnancy

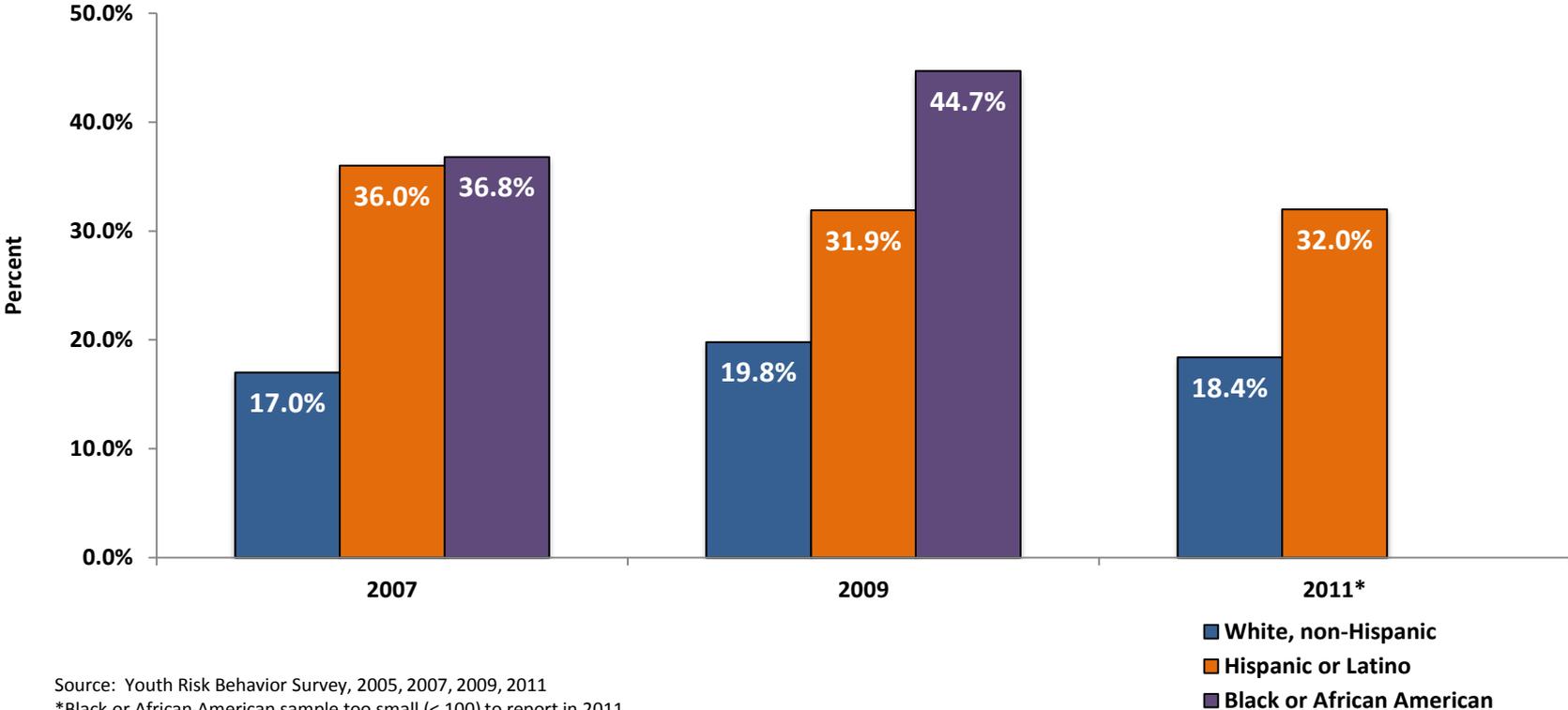
- Lottery funds for county health departments and tribes to target high risk youth and continue Abstinence Education
- New federal funding for Abstinence and Personal Responsibility Education Program
- Over \$5 million per year total

Priority 2: Improve the percentage of children and families at a healthy weight



Youth Weight Status

Percent of Overweight and Obesity among High School Youth, Arizona, 2007/2009/2011



Source: Youth Risk Behavior Survey, 2005, 2007, 2009, 2011
*Black or African American sample too small (< 100) to report in 2011

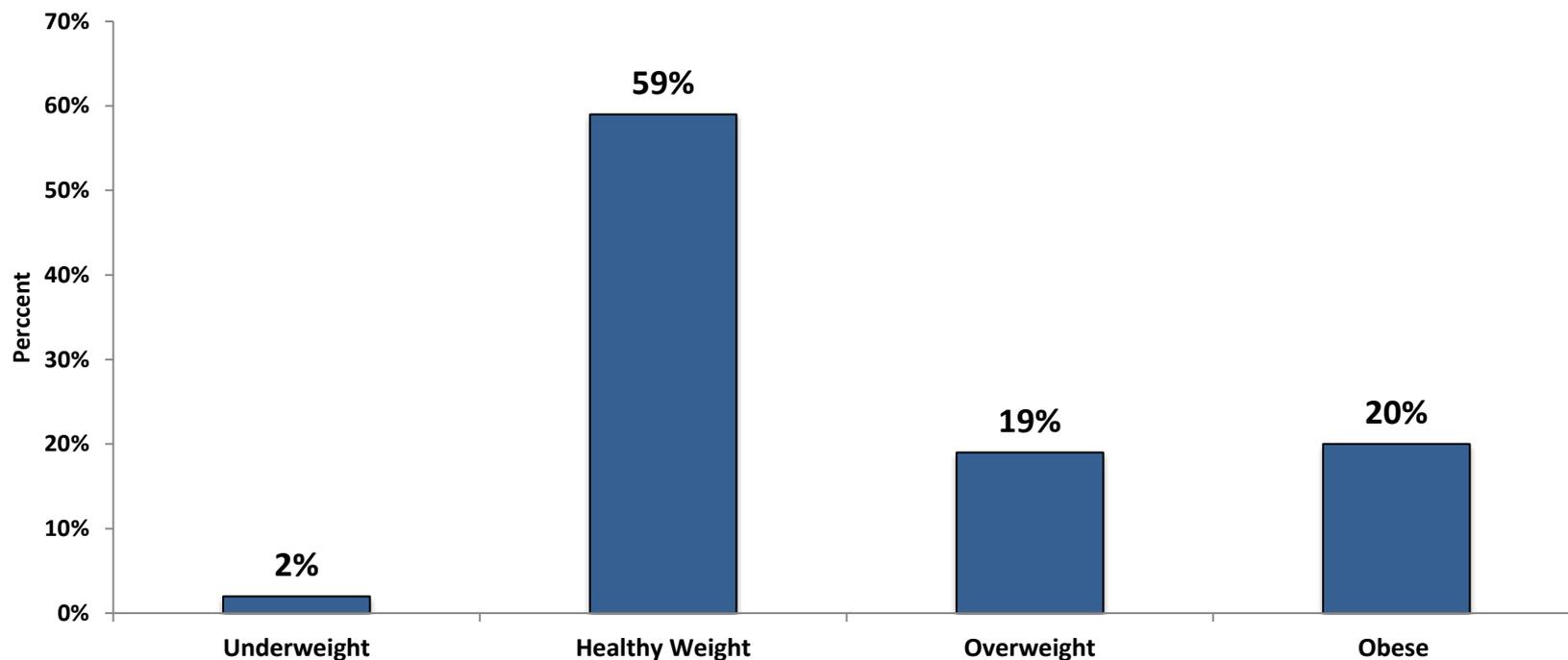


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Arizona 3rd Graders Weight Status

Weight Status Among Third Graders, Arizona 2009-2010

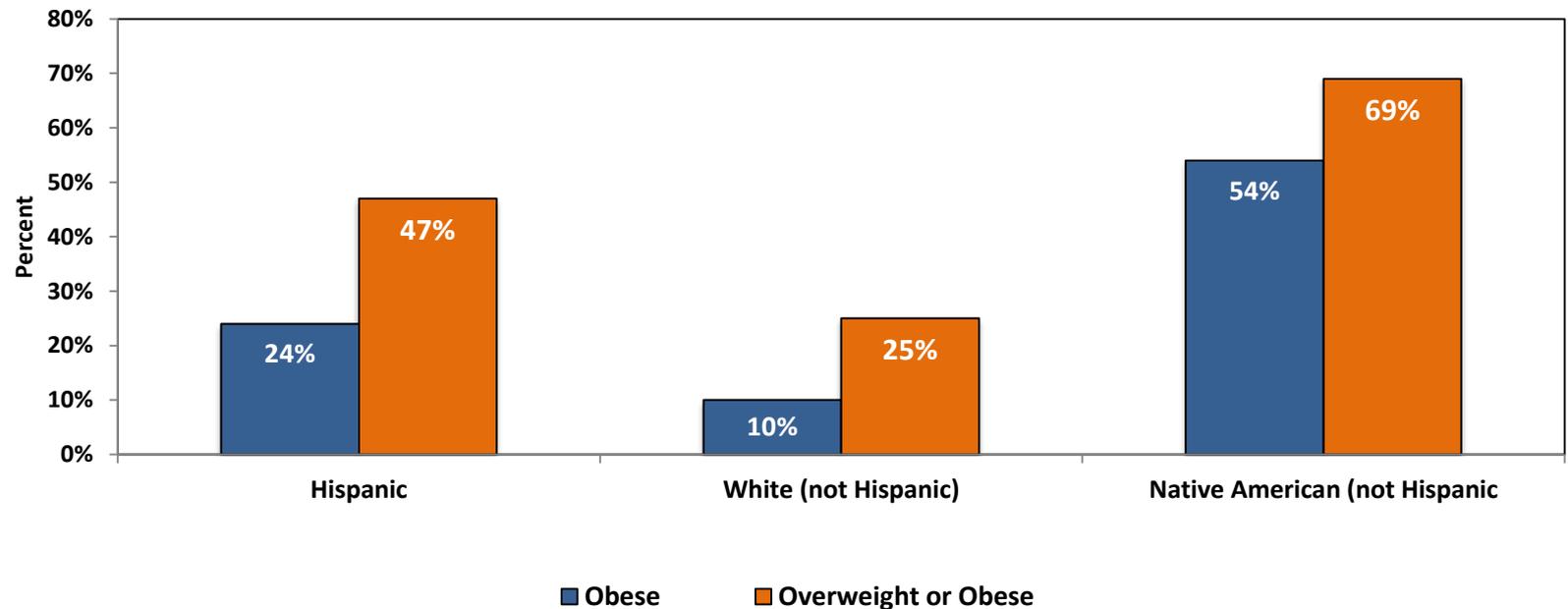


Source: Arizona Healthy Bodies Healthy Smiles Survey, 2009-2010

*Result shown are weighted estimates

Arizona 3rd Graders Weight Status by Race and Ethnicity

Weight Status Among Third Graders by Race and Ethnicity, Arizona 2009-2010



Source: Arizona Healthy Bodies Healthy Smiles Survey, 2009-2010

*Result shown are weighted estimates

Healthy Weight

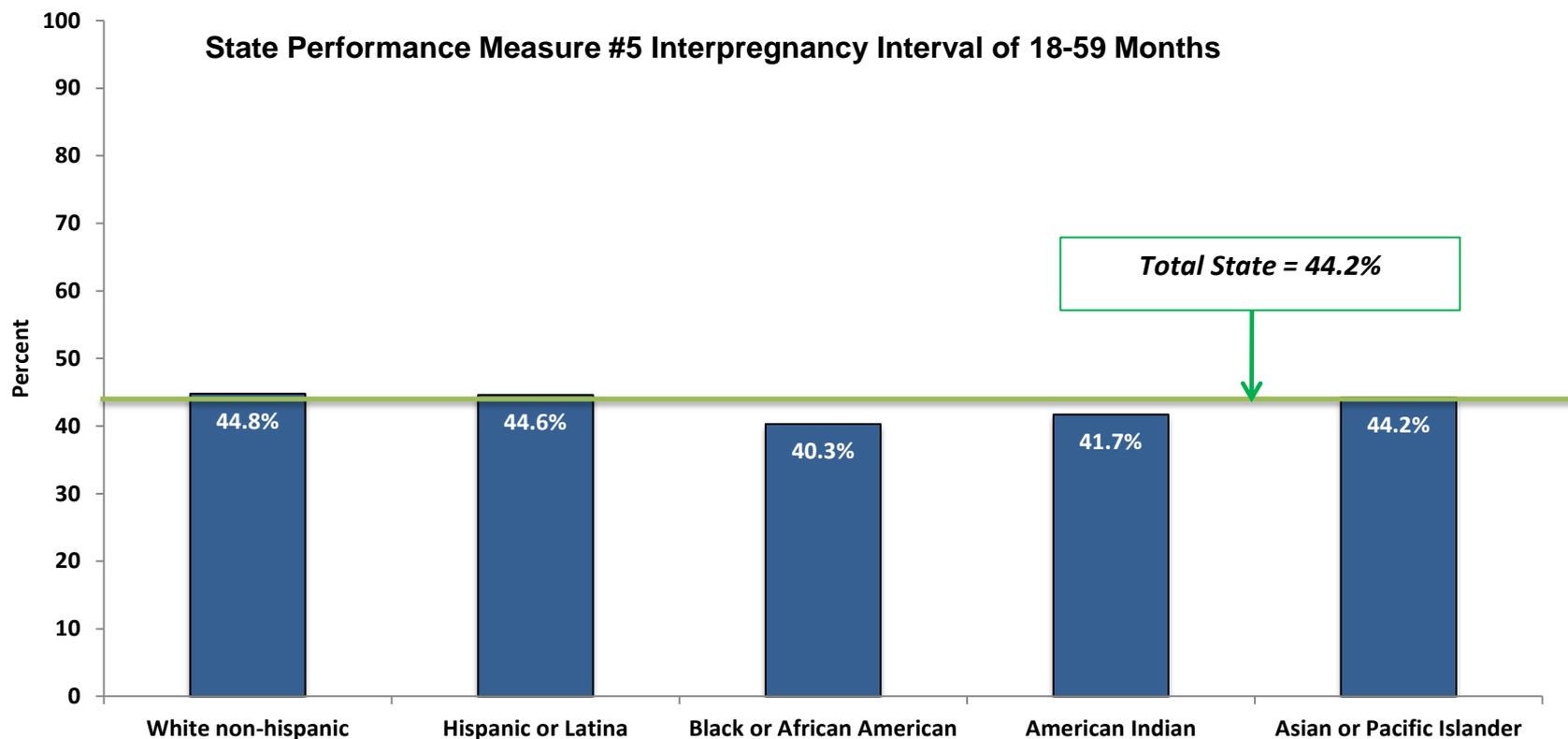


- Empower Program
- Grants to County Health Departments
- Healthy weight addressed in most BWCH programs

Priority 3: Improve the health of women prior to pregnancy



Interpregnancy Interval



Source: Arizona Birth Certificate, 2011

Preconception Health

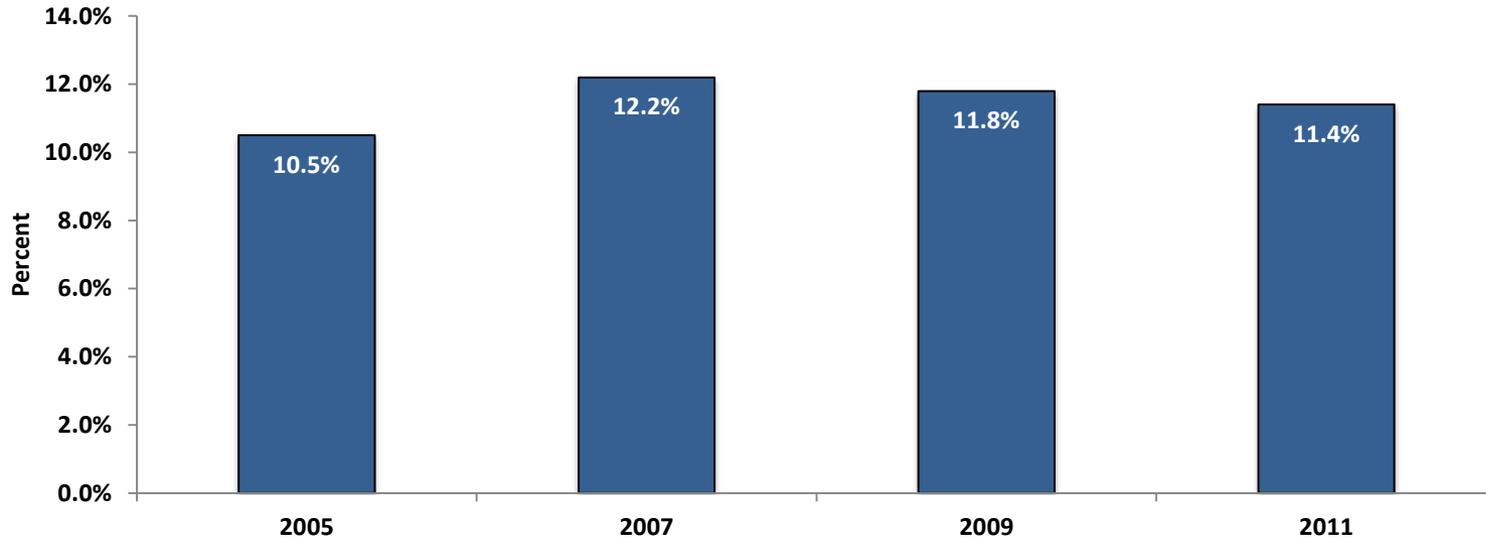
- Arizona Preconception Health Plan & Taskforce
- Every Woman, Arizona
- CDC Preconception Health Consumer Workgroup
- Show Your Love campaign
- Title V grants to County Health Departments
- Technical assistance needed

Priority 4: Reduce the rate of injuries, both intentional and unintentional



Physical Abuse in Youth

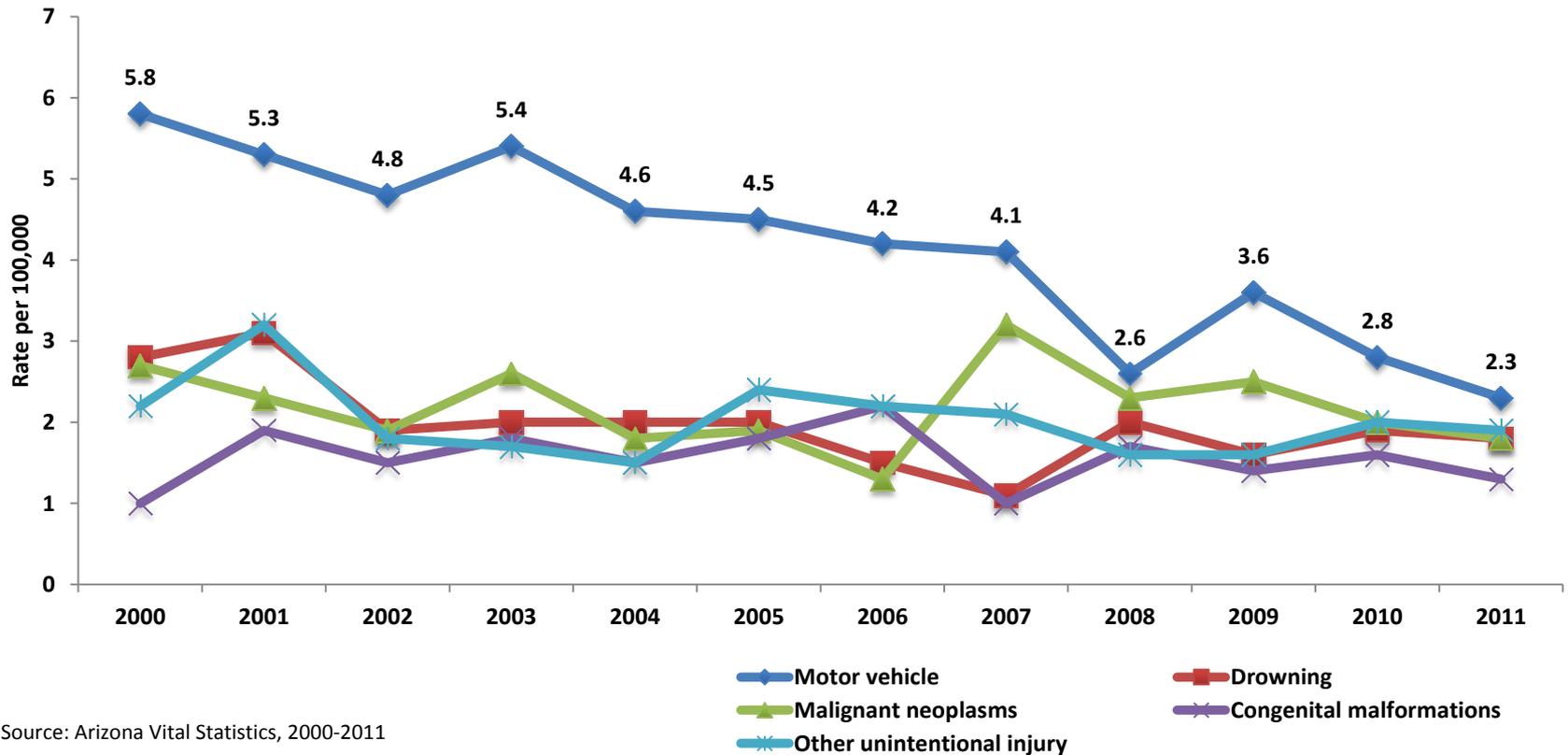
State Performance Measure #1 High School Students Reporting Physical Abuse by Boyfriend or Girlfriend in Past Year



Source: Youth Risk Behavior Survey, 2005, 2007, 2009, 2011

Mortality Rates

Mortality Rates for Leading Causes of Death
per 100,000 Children Age 1-14 Years, Arizona 1999-2011



Source: Arizona Vital Statistics, 2000-2011

Injury and Violence Prevention

- CDC Core Injury Grant
- EMSC voluntary pediatric certification of emergency rooms
- Reducing sexual violence in alcohol-serving establishments
- Project Connect – screening for domestic violence in family planning clinics
- New injury prevention staff to train home visitors

Priority 5:

Improve access to and quality of preventive health services for children



Preventive Health Services for Children

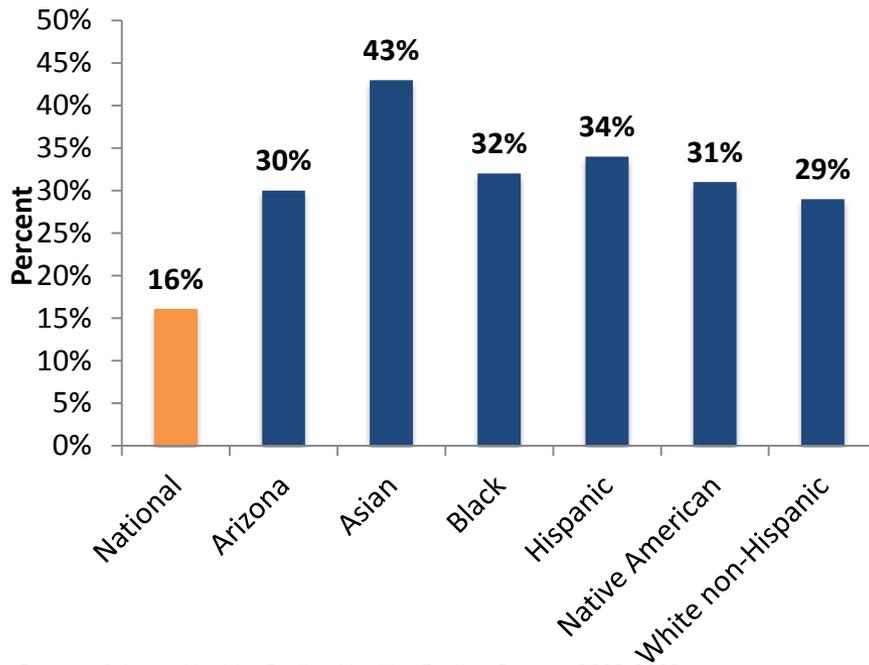
- Home Visiting Program (MIECHV)
- Interagency early childhood collaborations
- Coordinated school health
- Adolescent health services inventory
- Collaborations with immunizations, NBS, licensed midwives

Priority 6: Improve the oral health of Arizonans

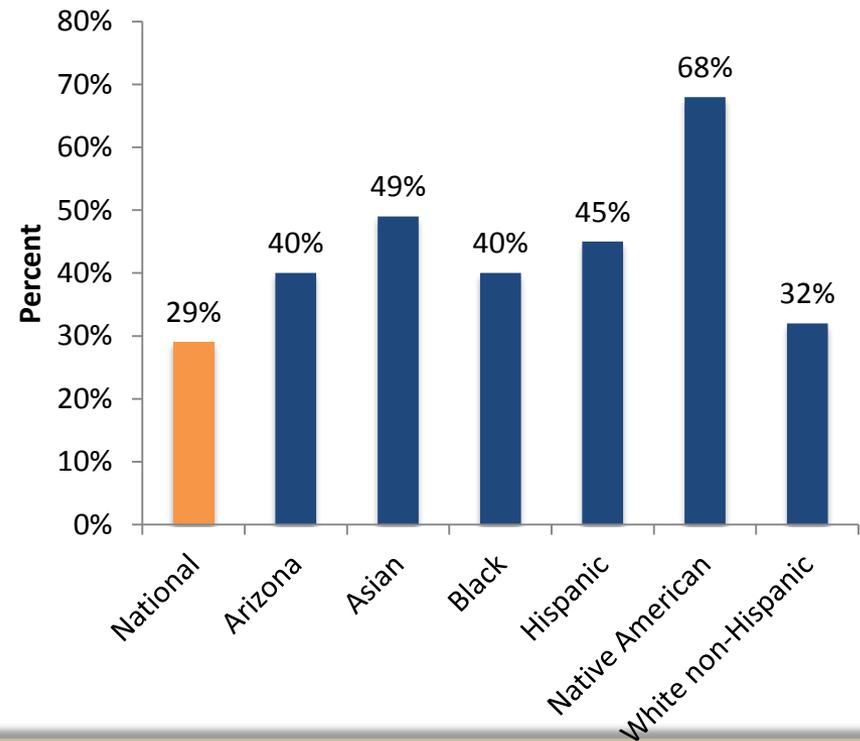


Untreated Tooth Decay

Children 2-4 Years Old with Untreated Tooth Decay by Race and Ethnicity, Arizona and U.S., 2008-2009



3rd Graders with Untreated Tooth Decay by Race and Ethnicity, Arizona and U.S., 2008-2009



Source: Arizona Healthy Smiles Healthy Bodies Survey, 2008-2009



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Oral Health

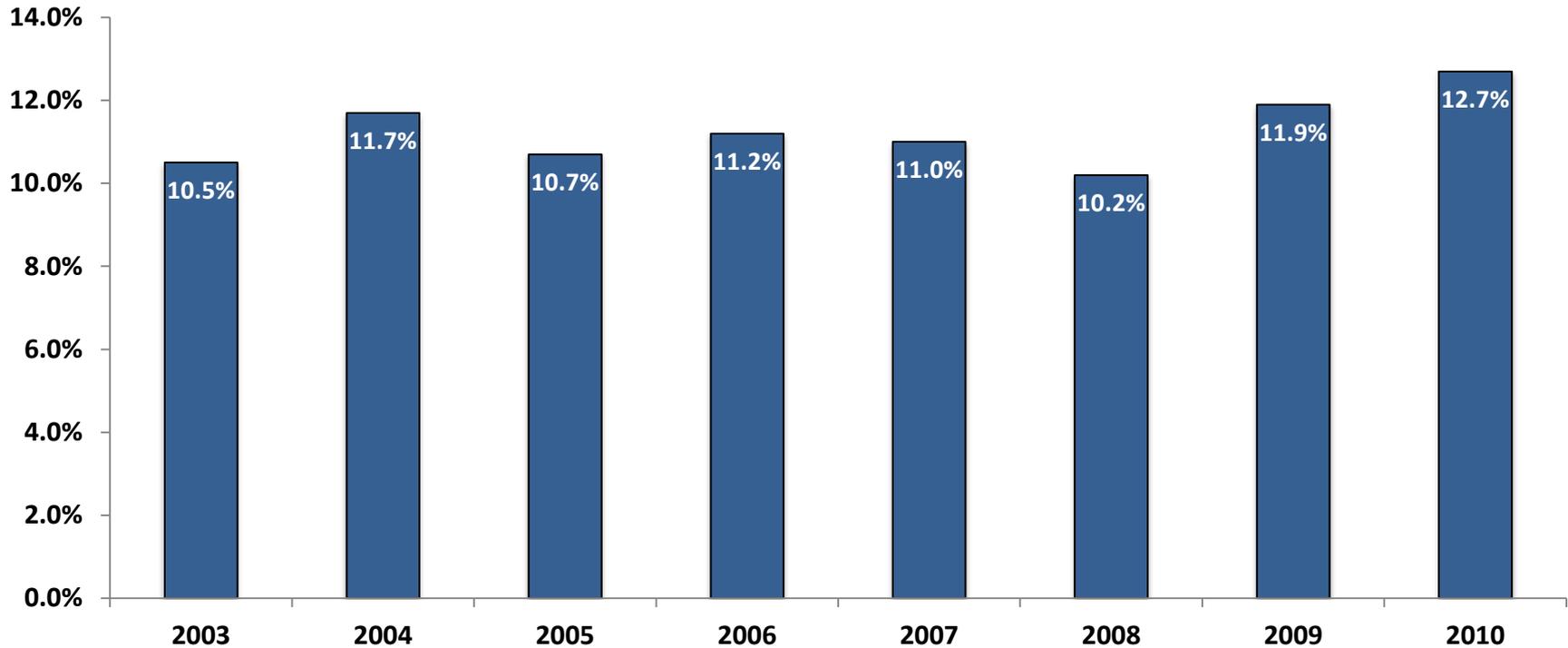
- Developing enhanced dental teams through use of teledentistry
- Partnering with the IHS and ITCA to develop workforce strategies and disseminate oral health findings to tribal populations
- Developing regional oral health coalitions
- School-based Sealant Program screened 9,500 children
- 6,845 children received sealants

Priority 7: Improve the behavioral health of women and children



Mental Distress

State Performance Measure #7 Percentage of Women Reporting Frequent Mental Distress



Source: Arizona BRFSS, 2003-2010



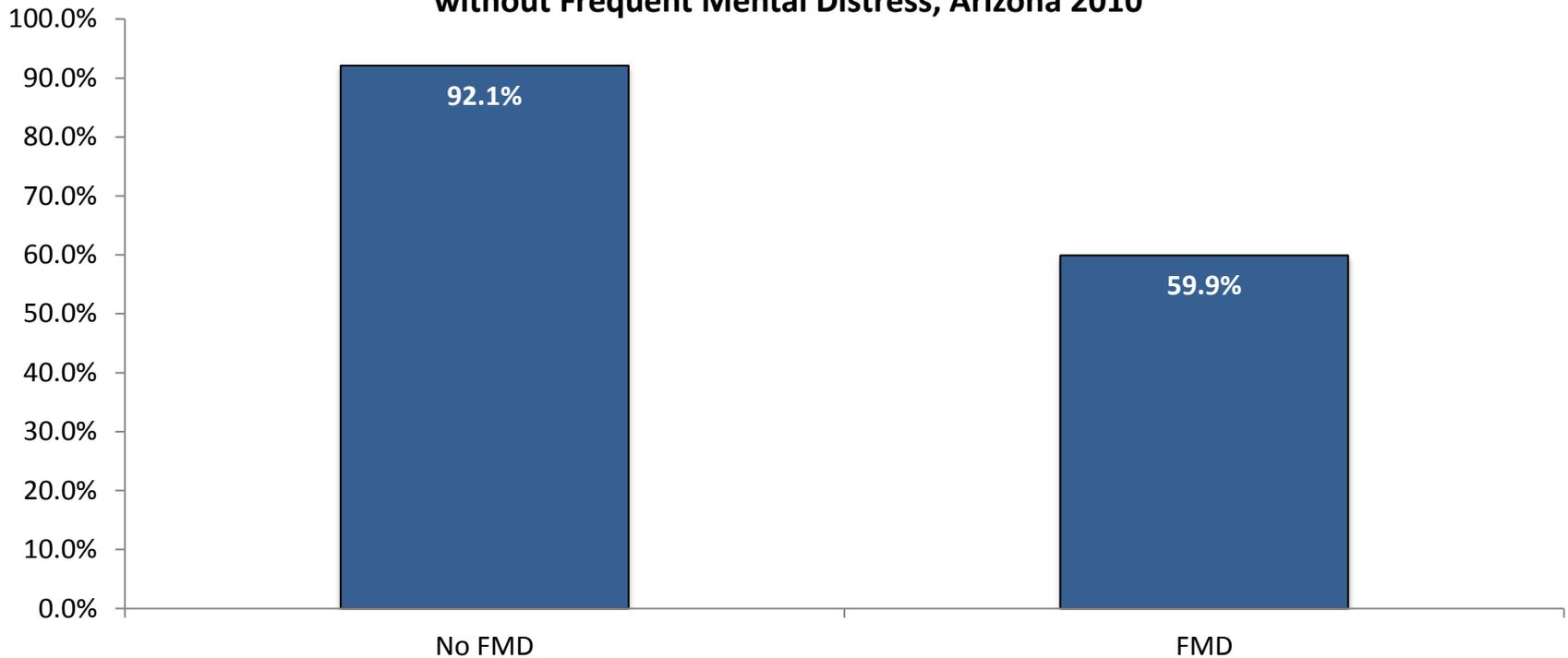
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Health by Mental Distress Status

Reported Good to Excellent Health Among Females Aged 18-44 Years with and without Frequent Mental Distress, Arizona 2010



Source: Arizona BRFSS, 2010

Behavioral Health

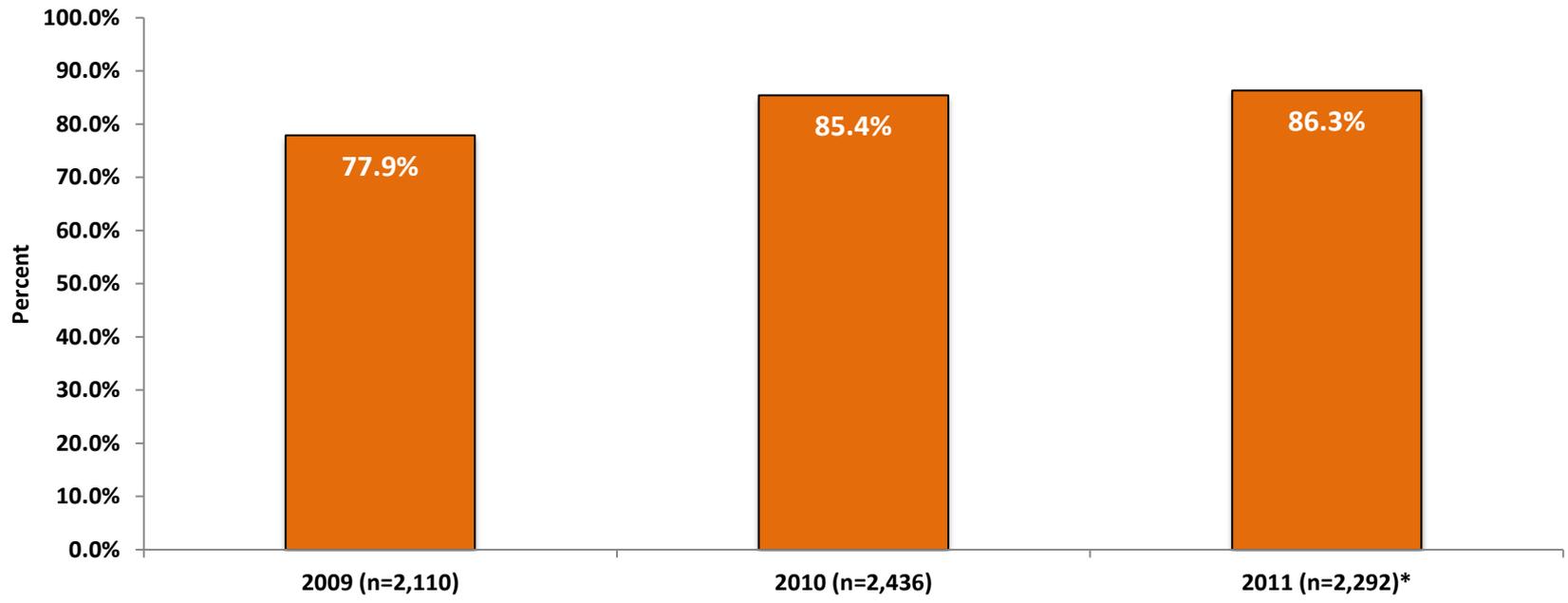
- Perinatal depression screening & professional development in home visiting programs
- Fetal Alcohol Spectrum Disorders Screening & Brief Intervention
- Stress management highlighted in Women's Health Week
- ADHS integration of behavioral health with physical health; Mental Health First Aide

Priority 8: Reduce unmet need for Hearing Services



Hearing Screenings

State Performance Measure #8 Newborns Who Fail Initial Hearing Screening and Receive Appropriate Follow-Up Services



Source: Arizona Office of Newborn Screening
*Provisional



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Hearing Services

- Partner with Early Hearing Detection and Intervention Program and EAR Foundation to deliver training and technical assistance to community health centers, physicians' offices and Early Head Start
- Purchase additional hearing screening equipment for loan
- Support NBS related to hearing screenings

Priority 9:

Prepare children & youth with special health care needs for transition to adulthood



Youth Transition

- Young Adults with SHCN as Advisors
- Partner with the Arizona Community of Practice on Transition as a state level partner to ensure health care is considered in transition planning
- Teen Pregnancy Prevention Curriculum Evaluation Workgroup – develop instructor supplementary guide unique to children and youth with intellectual disabilities

Priority 10:

Promote inclusion of children with special health care needs in all aspects of life

Inclusion

Every issue changes when you include children with special health care needs:

- Arizona's childcare videos feature on the Let's Move Child Care webpage
- Partner with Raising Special Kids on Residency Training to reflect integration of physical and behavioral health
- Special Needs Transportation Program (purchase car seats and car beds for CSHCN)

Healthy Baby Initiative

- ADHS and March of Dimes have committed to reducing prematurity 8% by 2014
 - Preconception Health
 - Continued support of the elimination of elective inductions before 39 weeks
 - Focus on safe sleep
 - AMCHP improving birth outcomes learning collaboration

Resources

- Immunizations - http://www.azdhs.gov/phs/immun/act_aipo.htm
- Teen Pregnancy - <http://www.azdhs.gov/phs/owch/sexcanwait/index.htm>
- Preconception Health - <http://www.azdhs.gov/phs/owch/women/preconception.htm>
- Injury Prevention - <http://www.azdhs.gov/phs/owch/ipcfr/index.htm>
- Children's Health – <http://www.azdhs.gov/phs/owch/children>
- Oral Health - <http://www.azdhs.gov/phs/owch/ooh/index.htm>
- Newborn Screening - <http://www.azdhs.gov/lab/aznewborn/>
- Safe Sleep - <http://www.nichd.nih.gov/sids/>

For More Information

- Bureau of Women's and Children's Health
<http://www.azdhs.gov/phs/owch/index.htm>
- MCH Library at Georgetown University:
<http://www.mchlibrary.info/index.php>
<http://navigator.mchtraining.net/>