The State of the Health of Women and Children in Arizona

Bureau of Women’s and Children’s Health

March 2013
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

Total resident births and percent change in total births from 1999 to 2011 are shown in the graph. The number of total resident births ranges from 80,505 in 1999 to 102,042 in 2005, with a peak in 2007 at 102,687. The percent change in total births shows a decrease from -8.0% in 1999 to -2.0% in 2008, before rising to 4.0% in 2011.

Births by Race and Ethnicity

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

- **White, non-Hispanic** (n=38,294) - 45%
- **Hispanic or Latina** (n=32,398) - 38%
- **American Indian** (n=5,830) - 6.8%
- **Black/African American** (n=4,366) - 5.1%
- **Asian/Pacific Islander** (n=3,505) - 4.1%
- **Unknown** (n=709) - 0.8%
- **Other race** (n=88) - 0.1%

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

- **White non-Hispanic**: 88.0%
- **Hispanic or Latina**: 76.5%
- **Black or African American**: 80.4%
- **American Indian or Alaska Native**: 68.6%
- **Asian or Pacific Islander**: 86.5%
- **All Groups**: 81.7%

*Source: Arizona Vital Statistics, 2011*
# Preterm Births

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

<table>
<thead>
<tr>
<th>Year</th>
<th>All Race/Ethnic Groups*</th>
<th>White non-Hispanic</th>
<th>Hispanic or Latina</th>
<th>Black or African American</th>
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*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

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Source: Arizona Vital Statistics, 2002-2011
*May contain births with unknown mother’s Race/Ethnicity
INFANT MORTALITY RATE (IMR)

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


Health and Wellness for all Arizonans
Trends in Teen Births by Race and Ethnicity

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

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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
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
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
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


*Black or African American sample too small (< 100) to report in 2011
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

State Performance Measure #5 Interpregnancy Interval of 18-59 Months

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

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

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

- National: 16%
- Arizona: 30%
- Asian: 43%
- Black: 32%
- Hispanic: 34%
- Native American: 31%
- White non-Hispanic: 29%


- National: 29%
- Arizona: 40%
- Asian: 49%
- Black: 40%
- Hispanic: 45%
- Native American: 68%
- White non-Hispanic: 32%

Source: Arizona Healthy Smiles Healthy Bodies Survey, 2008-2009
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
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
State Performance Measure #8 Newborns Who Fail Initial Hearing Screening and Receive Appropriate Follow-Up Services

Source: Arizona Office of Newborn Screening

*Provisional
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 committee 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

- 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/