



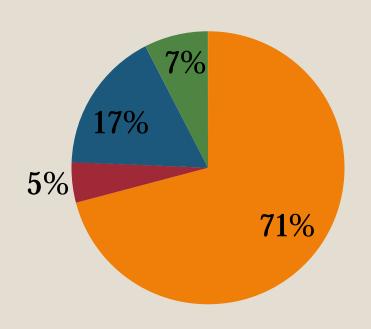
Section of Women's, Children's, and Family Health

Maternal Child Health Overview

Maternal and Child Health Population Alaska and U.S., 2012

Sources: Alaska Dept. of Labor and American Community Survey

Population Group	Age in Years	Alaska Population Estimate	U.S. Population Estimate
Infants	< 1	10,595	3,944,153
Children	1 - 4	44,129	16,257,209
Children	5 - 9	52,792	20,348,657
Adolescents	10 - 14	51,349	20,677,194
Women of Childbearing Age	15 - 44	146,723	62,374,964
Teen Women	15 - 19	23,696	10,736,677
Adult Women	20 - 44	123,027	51,638,287
Total MCH Population		305,588	123,602,177
Others		426,710	185,143,361
Total Population		732,298	308,745,53 8



- **■** White
- Black
- Asian or Pacific Islander
- Alaska Native/ American Indian

Sources: Alaska Department of Labor, U.S. Census

Community Well Being

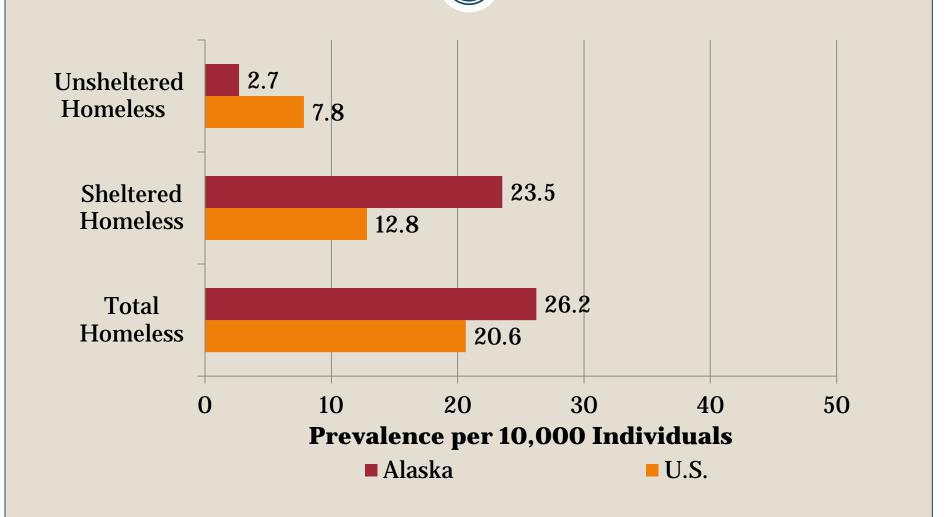
Risk Attributes

- Poverty
- Homelessness
- Food insecurity
- Homicide and community violence
- Child witnessing violence
- School readiness

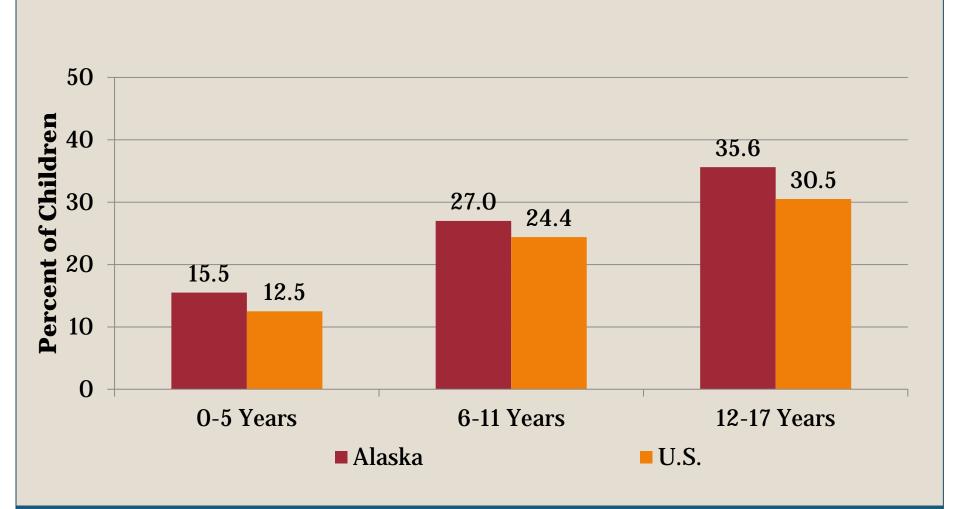
Moderating Attributes

- Developmental milestones
- Baby Friendly Birthing Facilities and community support of Breastfeeding
- Water Fluoridation

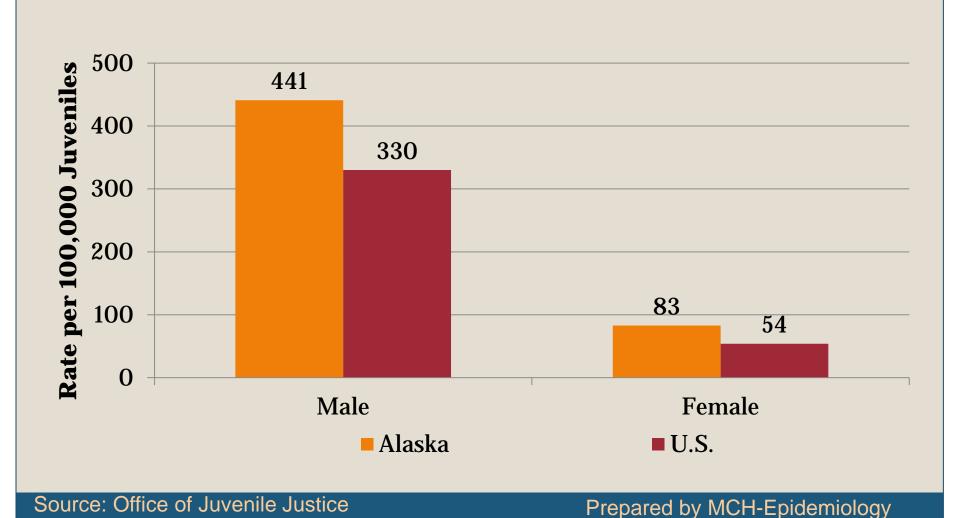
Experience of Homelessness Among Individuals Alaska and U.S., 2010



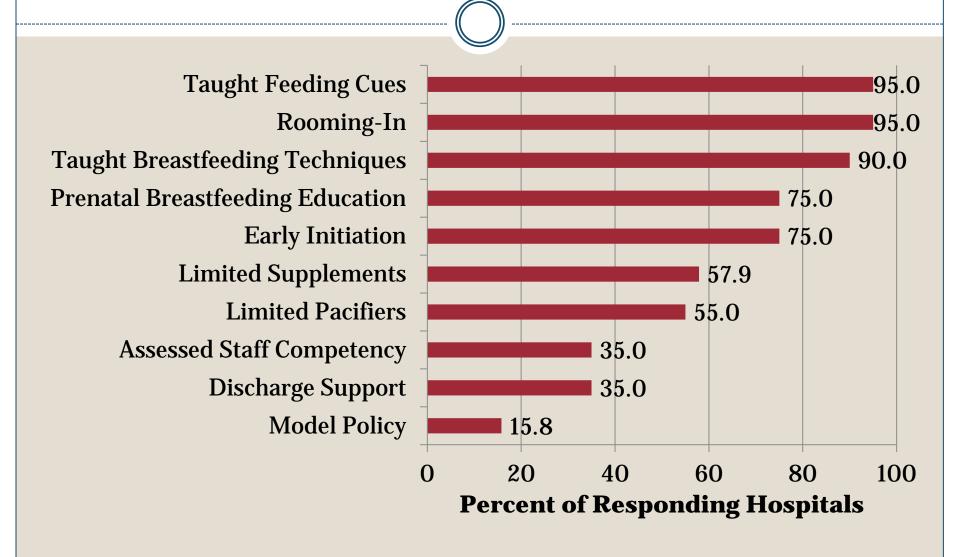
Children Who Had Two or More Adverse Childhood Experiences, Alaska and U.S., 2011-2012



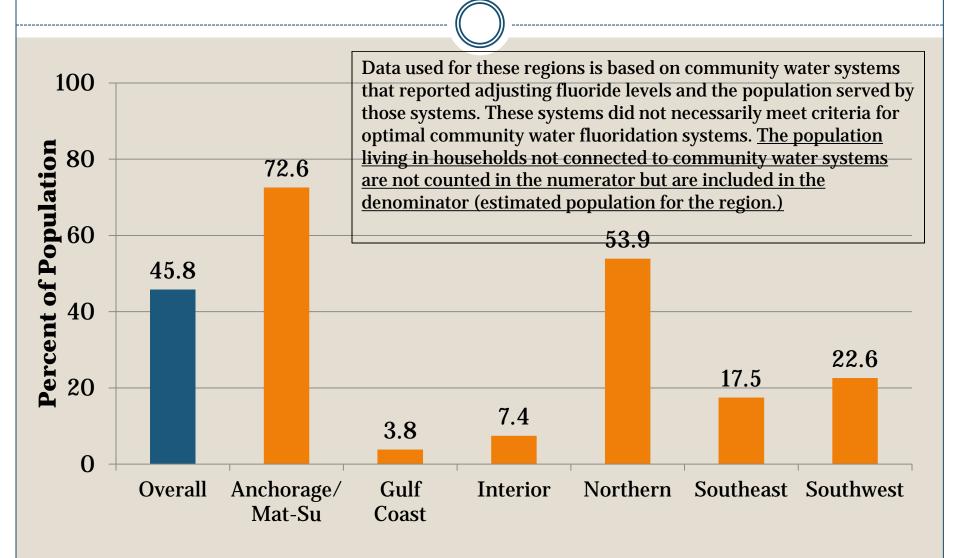
Juveniles Aged 13-17 Years in Residential Placement by Sex, Alaska and U.S., 2011



Alaska Hospitals with Baby-Friendly Hospital Policies and Practices, Alaska, 2011



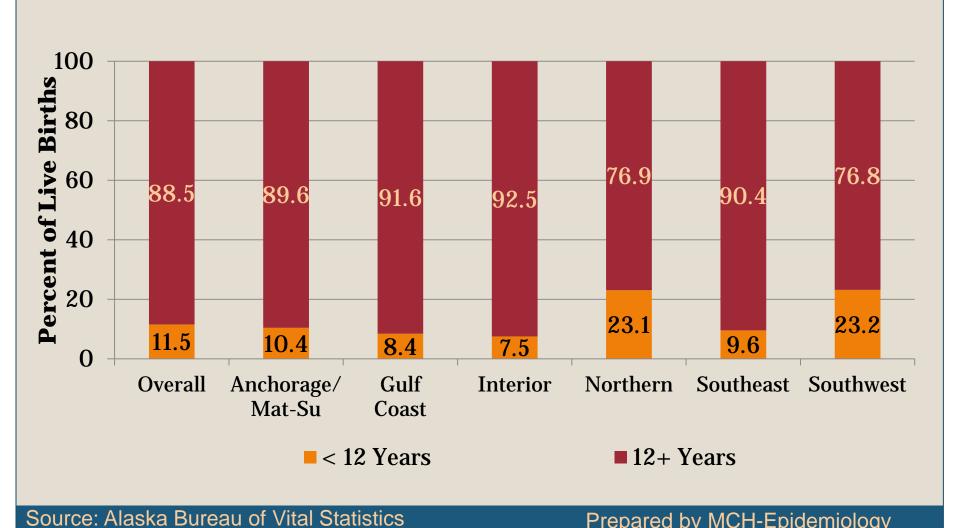
Population Served by Fluoridated Community Water Systems by Region, Alaska, SFY 2013



Economic Experiences

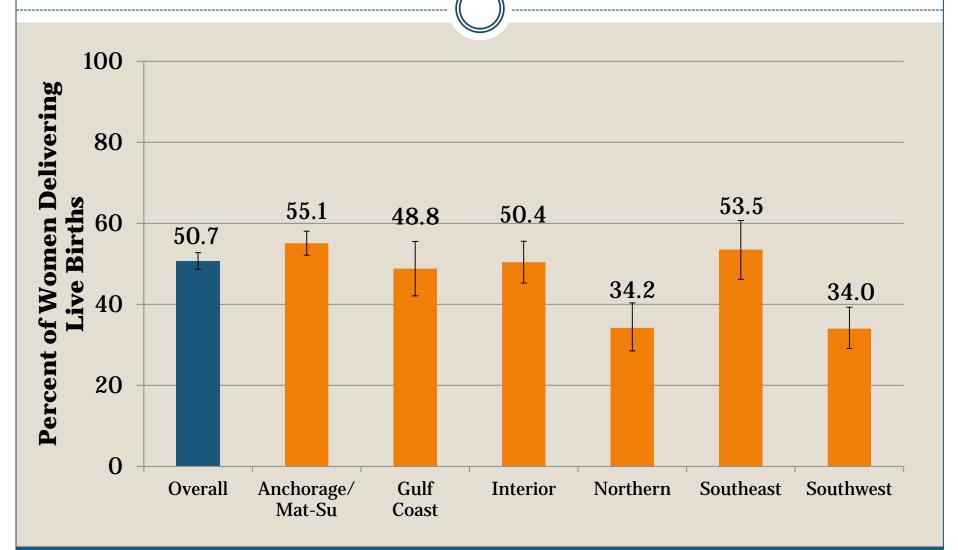
- Maternal education
- Unemployment
- Financial Life Stressors
- Loss of job

Distribution of Births by Region and Maternal Education, Alaska, 2012



Prepared by MCH-Epidemiology

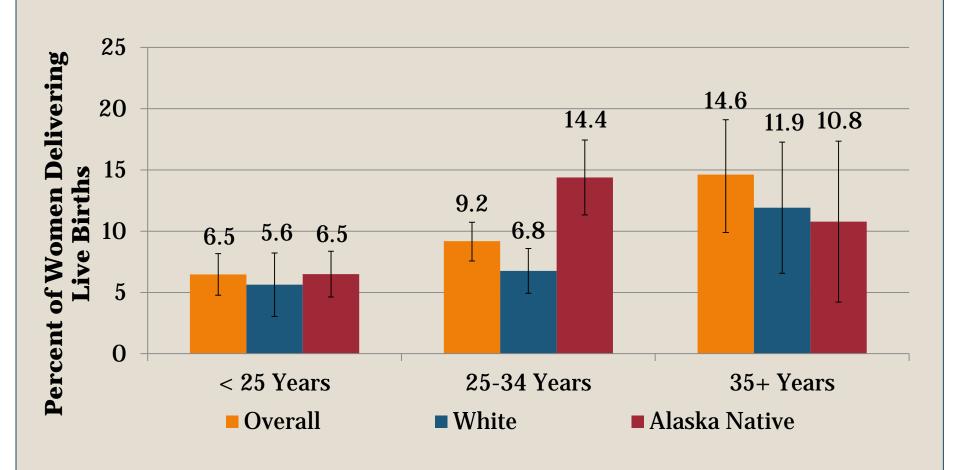
Financial Stressors in the 12 months before Birth Baby by Region, Alaska 2009-2011



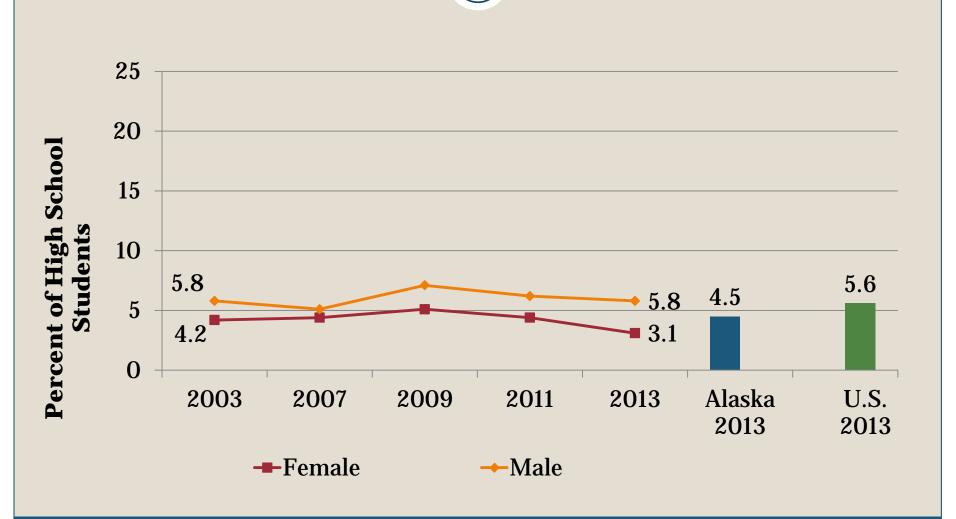
Reproductive Life Experiences

- These topics include health conditions affecting reproduction
- Rates of gestational diabetes and chlamydia
- Teen Birth rate and associated data
- Contraceptive use and counseling
- Preterm birth rate
- Rates of Live births prior to 37 completed weeks of pregnancy

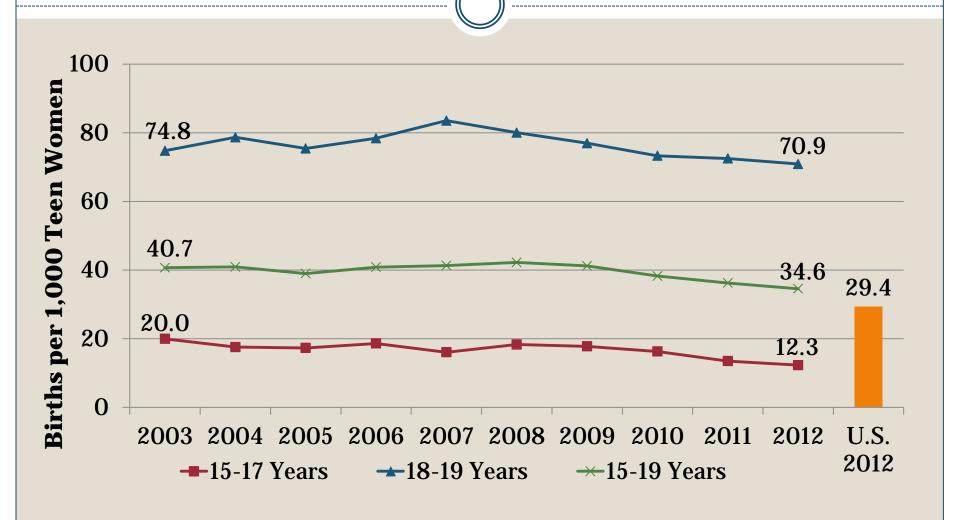
Gestational Diabetes by Maternal Age and Race Alaska, 2009-2011



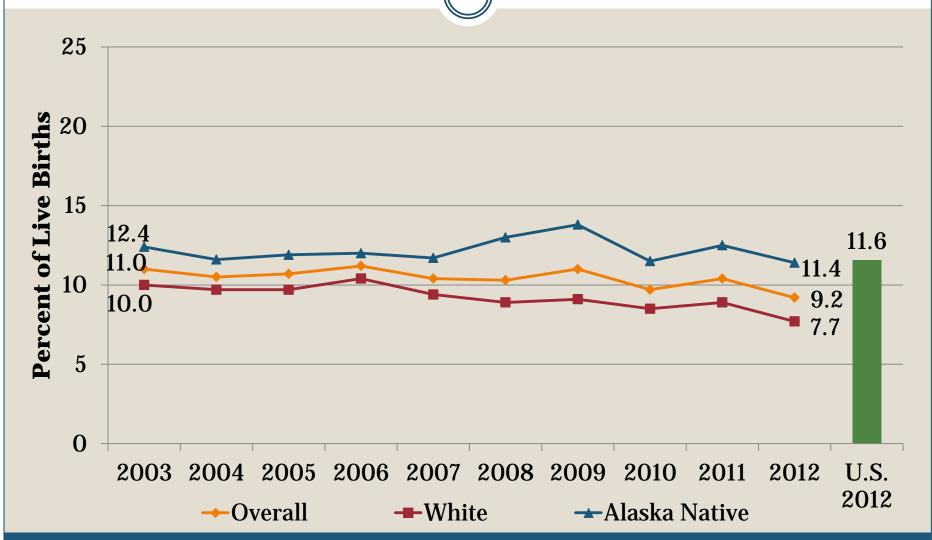
Initiation of Sexual Intercourse Before Age 13 Years by Sex, Alaska, 2003-2013 and U.S., 2013



Teen Birth Rates (15-19 Years) by Age Group Alaska, 2003-2012 and U.S.,2012



Live Births Before 37 Weeks Gestation by Maternal Race, Alaska, 2003–2012 and U.S., 2012

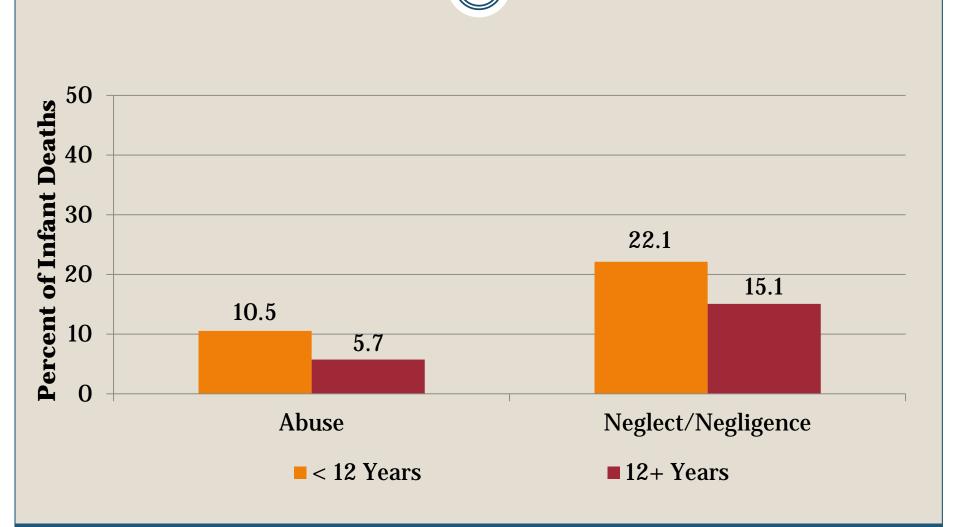


Source: Alaska Bureau of Vital Statistics, National Vital Statistics System

Childhood experiences

- Adverse childhood experiences
- Stressful life events of three year olds
- Child maltreatment
- Infant deaths
- Maltreatment-specific to infants
- Bullying





Source: SCAN, Alaska Division of Public Health

Prepared by MCH-Epidemiology

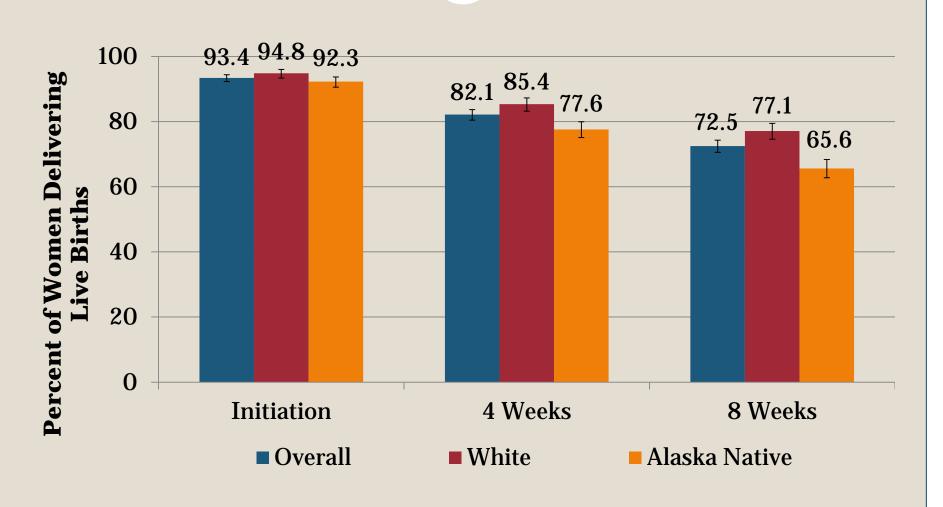
3-Year Trends in Infant Mortality and Sleep Related Infant Mortality, Alaska 1992-2012



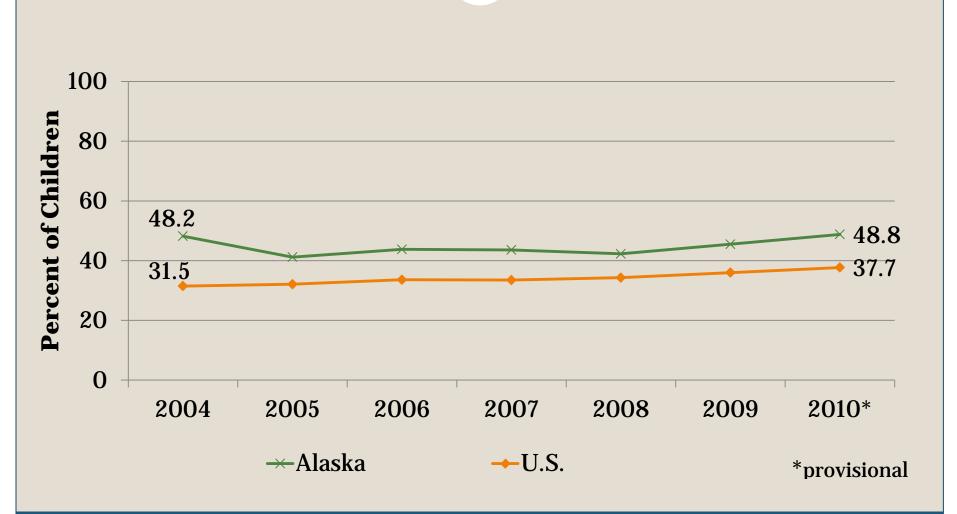
Family Well-Being

- Breastfeeding
- Children and youth with special health care needs
- Overweight and obesity
- Exposure to second hand smoking
- Tobacco use-pre pregnancy, pregnancy and postpartum
- Alcohol use
- Illicit drug and marijuana use
- Intimate partner violence
- Chronic Disease

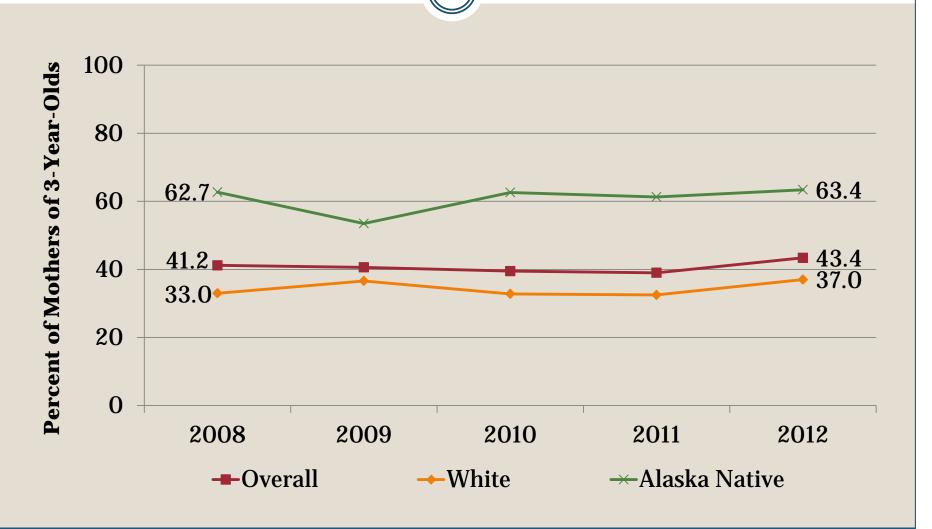
Breastfeeding Initiation, 4 Weeks, and 8 Weeks Postpartum by Maternal Race, Alaska, 2009 - 2011



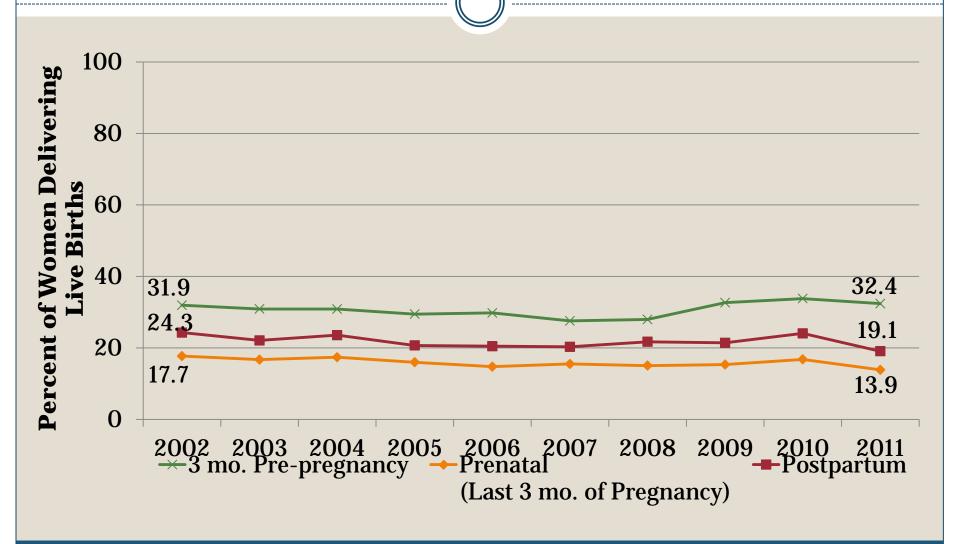
Exclusive Breastfeeding at 3 Months by Child's Birth Year, Alaska and U.S., 2004 - 2010



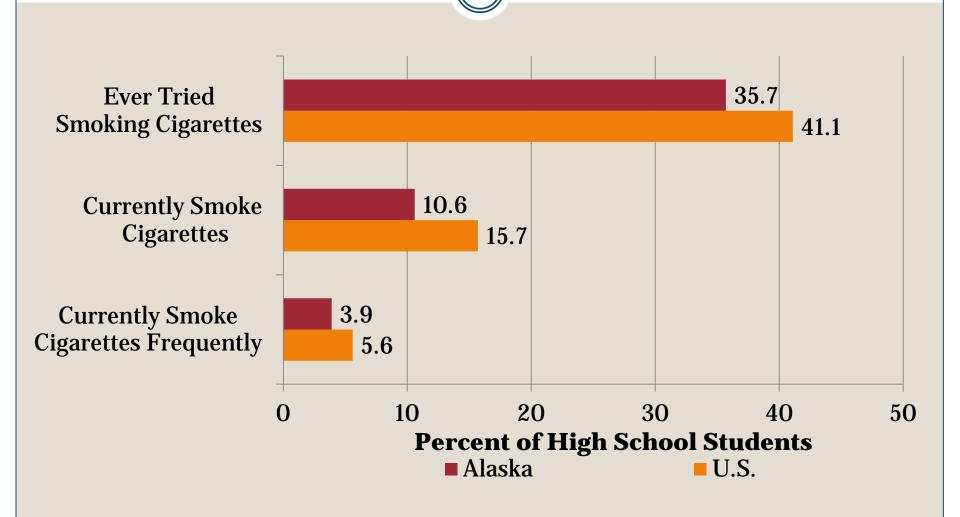
Overweight or Obesity Among 3-Year-Old Children by Maternal Race, Alaska, 2008-2012



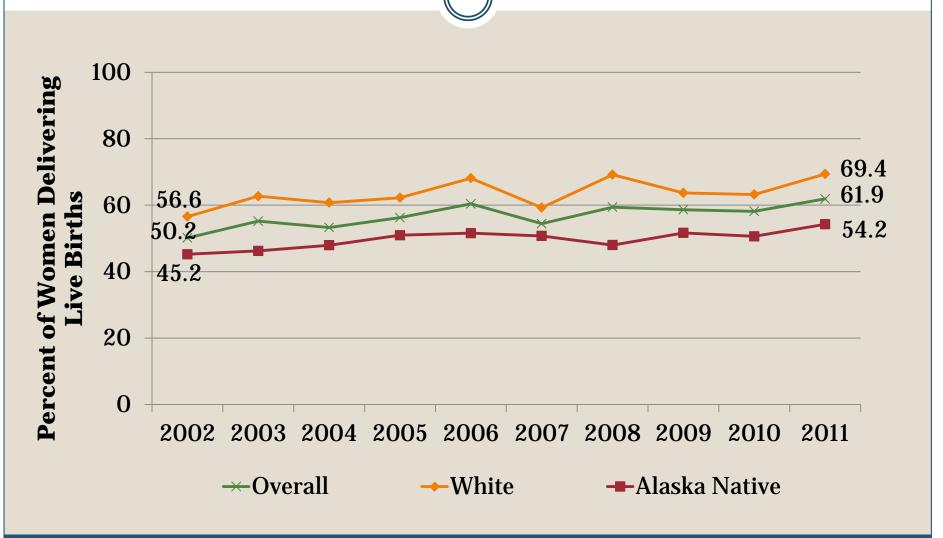
Pre-pregnancy, Prenatal and Postpartum Cigarette Smoking Alaska, 2002-2011



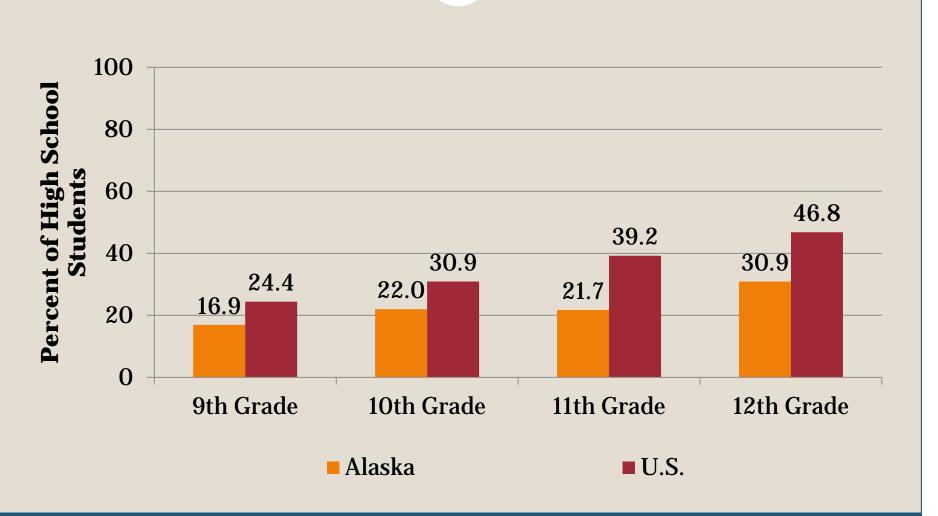
Cigarette Smoking Among High School Students Alaska and U.S., 2013



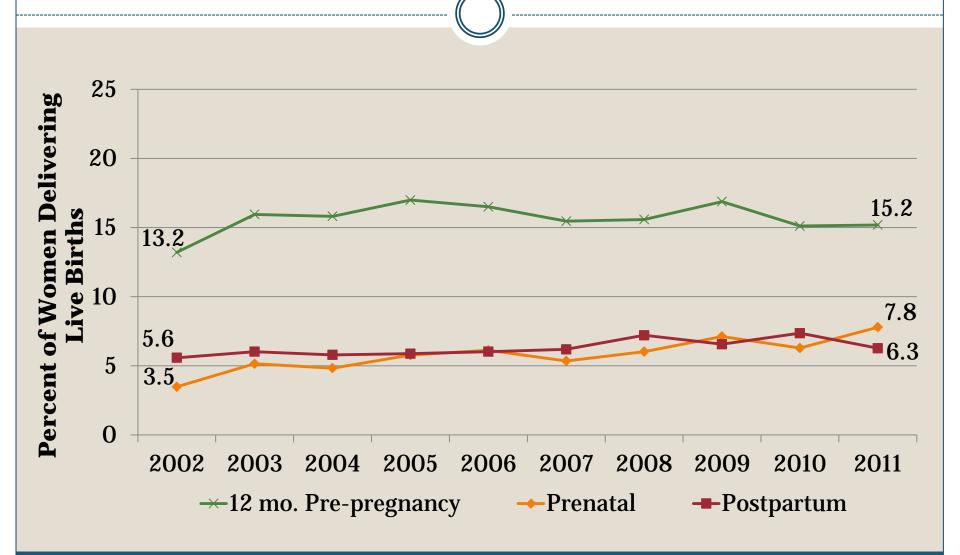
Alcohol Use (3 Months Pre-Pregnancy) by Maternal Race, Alaska, 2002-2011



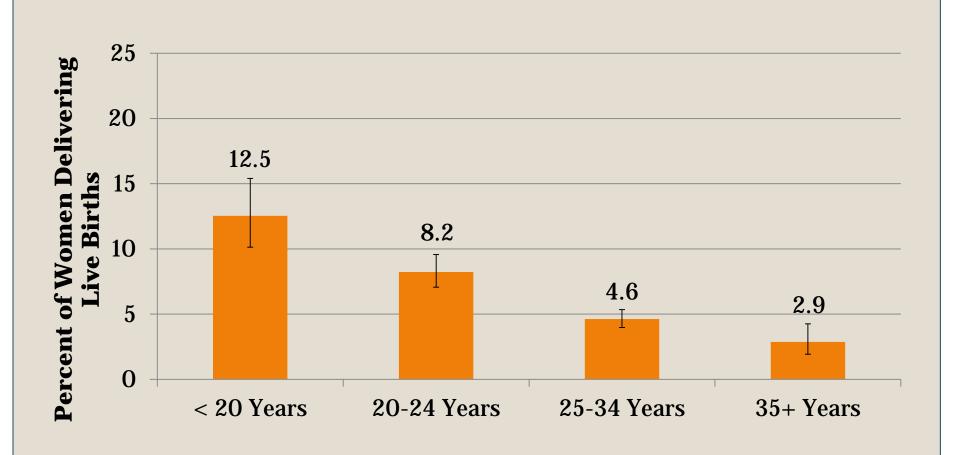
Current Drinking Among High School Students by Grade, Alaska and U.S., 2013



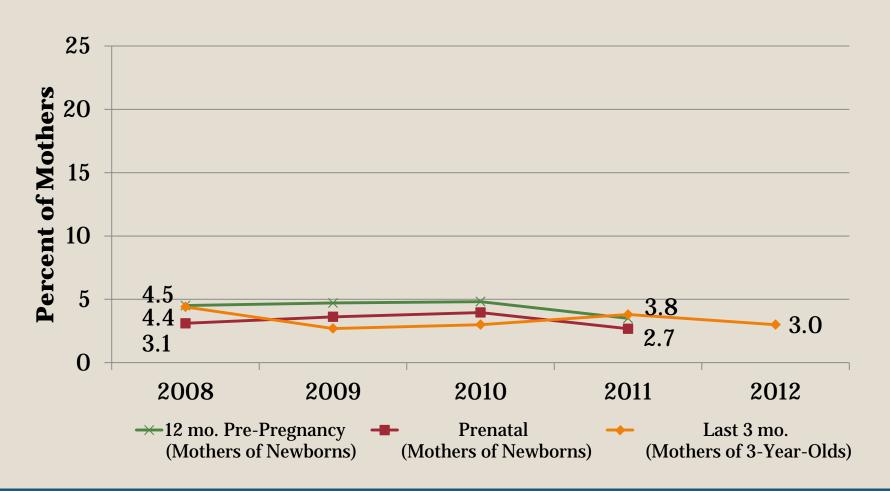




Prenatal Marijuana Use by Maternal Age Group Alaska, 2009-2011



Physical Abuse by Husband/Partner Among Mothers of Newborns and Mothers of 3-Year-Old Children Alaska, 2008 - 2012



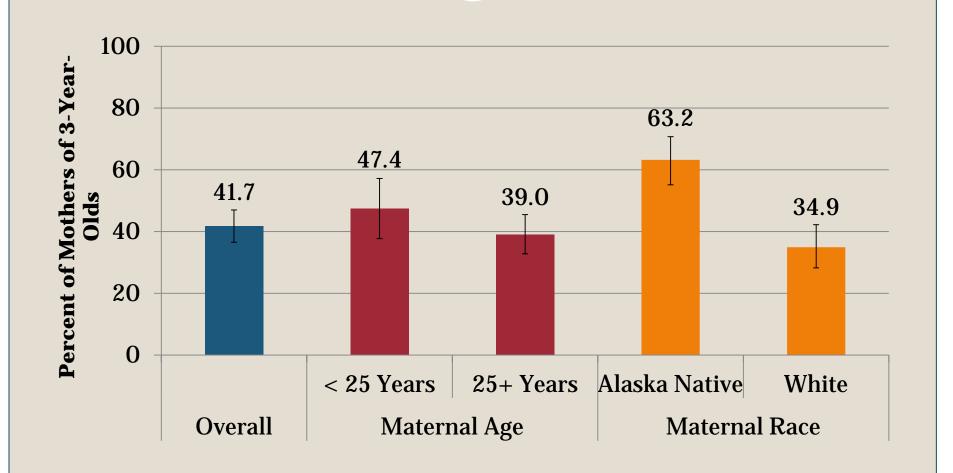
Source: PRAMS and CUBS

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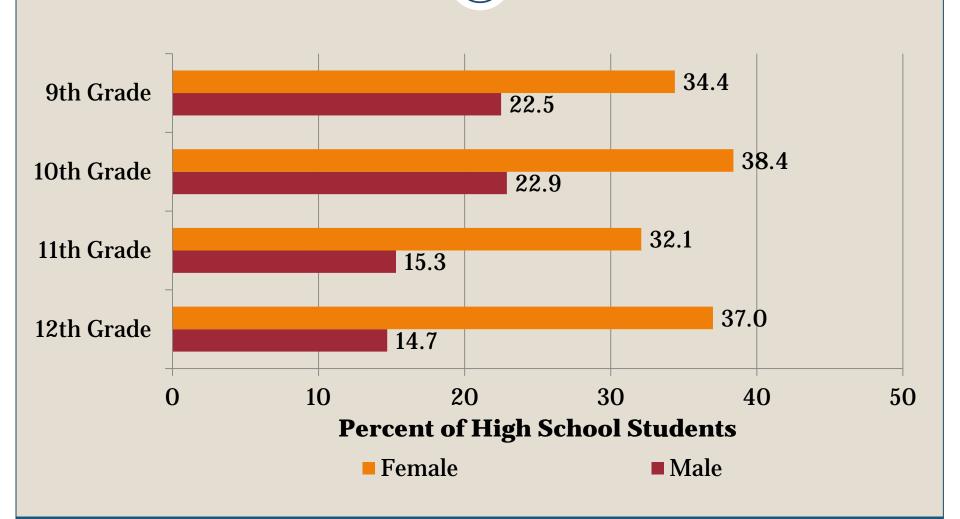
Mental Health

- Mental health among mothers
- Postpartum depressive feelings
- Family Stressors
- Emotional trauma experienced by new mothers
- Population mental health
- Depressive symptoms reported by youth
- Suicide

Emotional Trauma Experienced by Mothers Since Birth of their 3-Year-Old Child by Maternal Age and Race Alaska, 2012







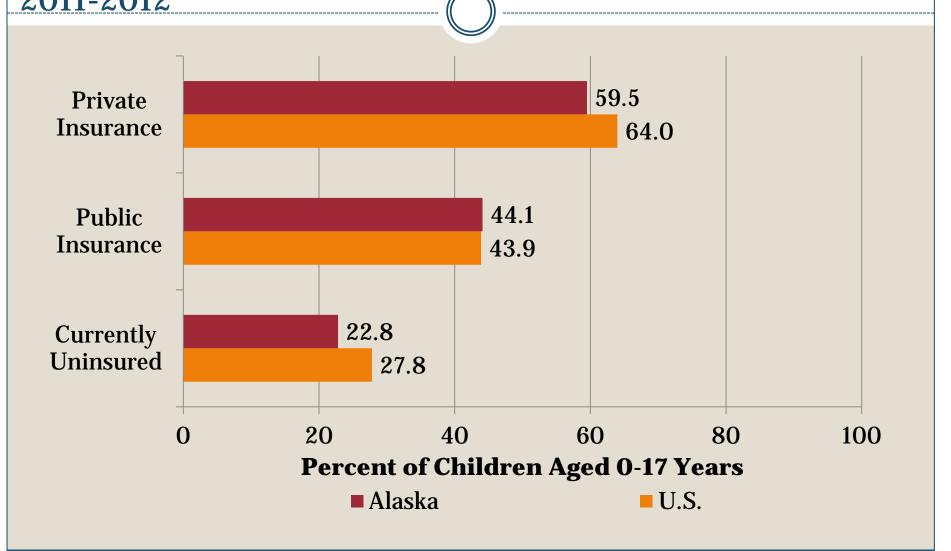
Early Life Services

- Newborn Services
- Infant hospital stays
- Infant health visits within one week of discharge
- WIC participation
- Well child visits/EPSDT
- Early intervention services

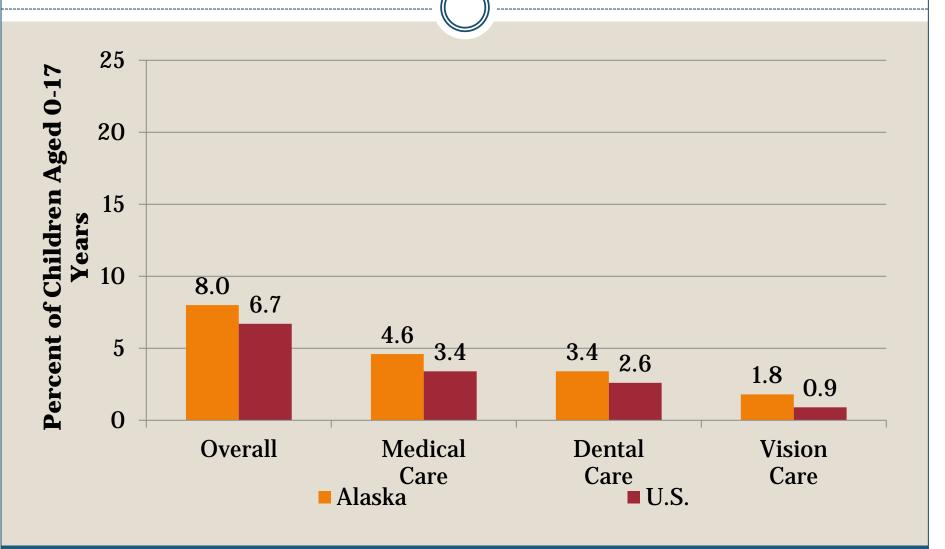
Health Care Access and Quality

- Health Insurance
- Medical Home
 - Coordination of Care
- Inability or delays in getting care-women
 - Not getting prenatal care
 - Not getting birth control when they wanted or needed it
- Inability or delay in getting care-children
- Immunizations-complete and incomplete
- Oral health care

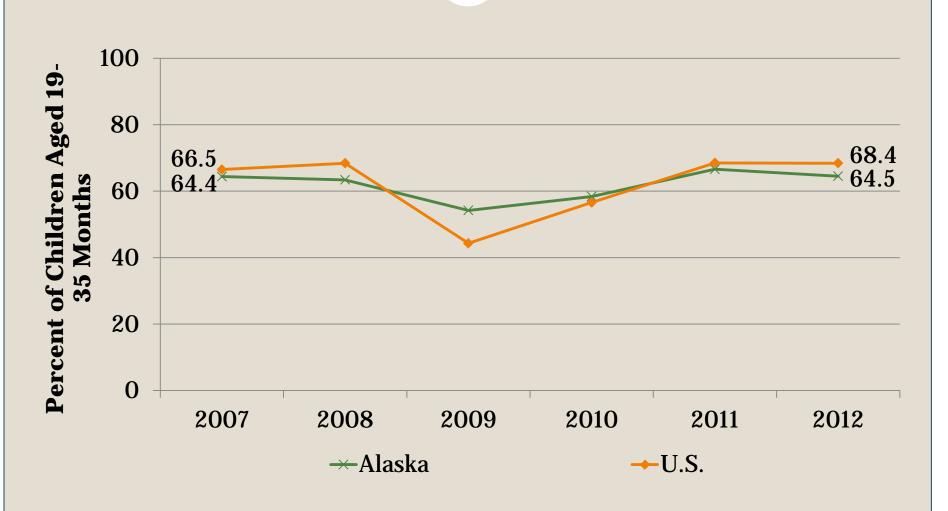
Children Who Received Coordinated Comprehensive Care within a Medical Home, by Insurance Type, Alaska and U.S., 2011-2012



Delayed Health Care or Unmet Need Among Children Aged 0-17 Years, Alaska and U.S., 2011-2012

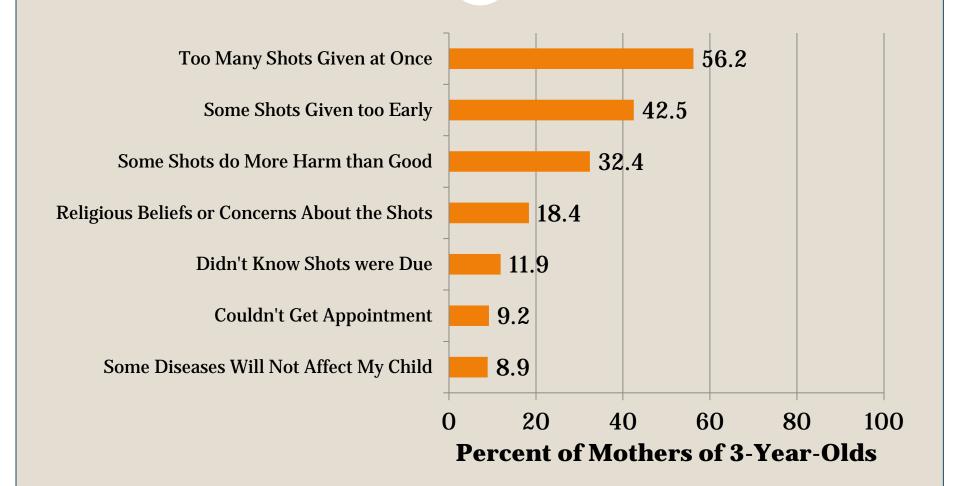


Completed Immunization Series Among Children Aged 19-35 Months, Alaska and U.S., 2007-2012



Reasons Given for Delaying or Not Getting Vaccines for their 3-Year-Old Child (Among Mothers Who Ever Delayed)

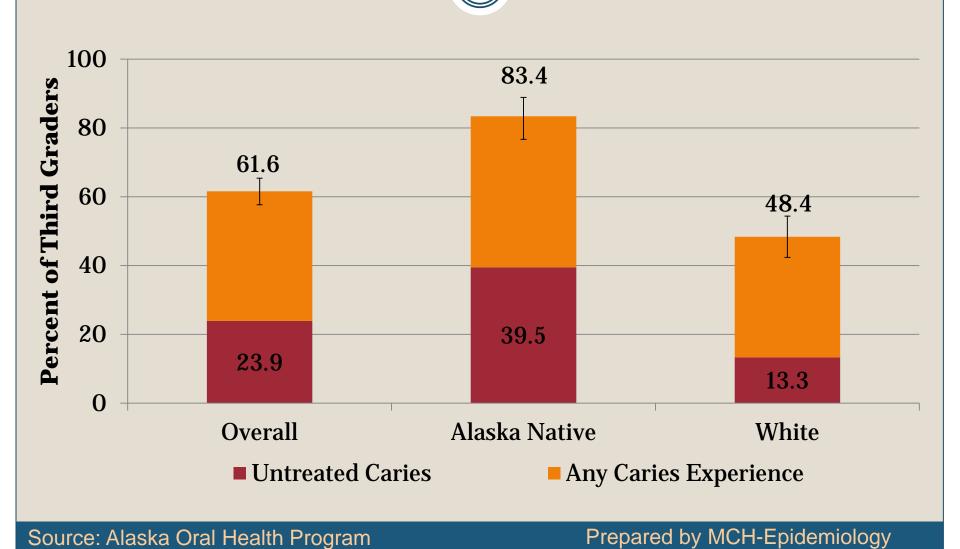
Alaska, 2009-2012



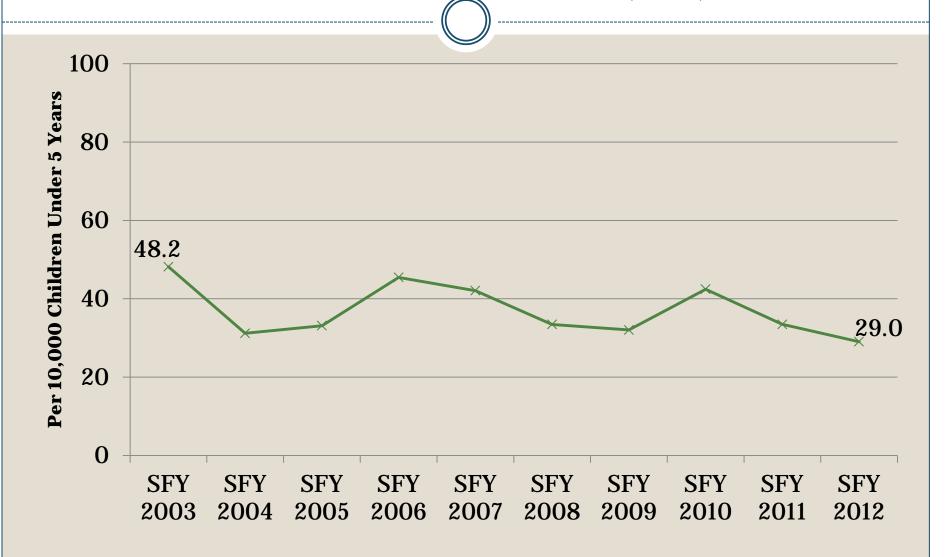
Child First Seen by a Dentist or Dental Care Provider Before Age Two, by Region, Alaska 2009-2012



Dental Caries Among Third Graders, by Race Alaska, 2010-2011 School Year



Asthma Hospitalizations Among Children Under 5 Years Old, Alaska, State Fiscal Years (SFY) 2003-2012



State of the MCH Population

• Successes:

- Reductions in infant mortality including a significant reduction over the last 30 years in neonatal mortality-lowest in the nation
- Increase in the number of babies born at or more than 37 weeks
- Slight increase in on time immunizations for 19-35 mos.
- Reductions in teen pregnancy rates and age of sexual debut
- Smoking prenatally and postpartum significantly declined from 2002 levels

State of Alaska's MCH Population

• Areas to work on:

- Reducing the disparity between Alaska Native and non-Native Infant Mortality
- Availability and consistent use of highly effective contraceptive methods-offered
- Breastfeeding sustainment in all populations
- Reducing the consumption of sugar sweetened beverages in all age groups
- The prevalence of maternal marijuana use increased for all periods relating to pregnancy
- The proportion of women who recently delivered a live birth who indicated that they had a controlling husband or partner remained steady at 3% for all periods surround the pregnancy from 2002-2011.

Thank you!

- The staff of the MCH Epidemiology Unit in the Women's, Children's and Family Health Section
- The staff of the Alaska Native Epidemiology Center
- Online version:
- http://dhss.alaska.gov/dph/wcfh/pages/mchepi/