



# A Discussion about Maternal and Child Health Data for the Clinician and Program Manager

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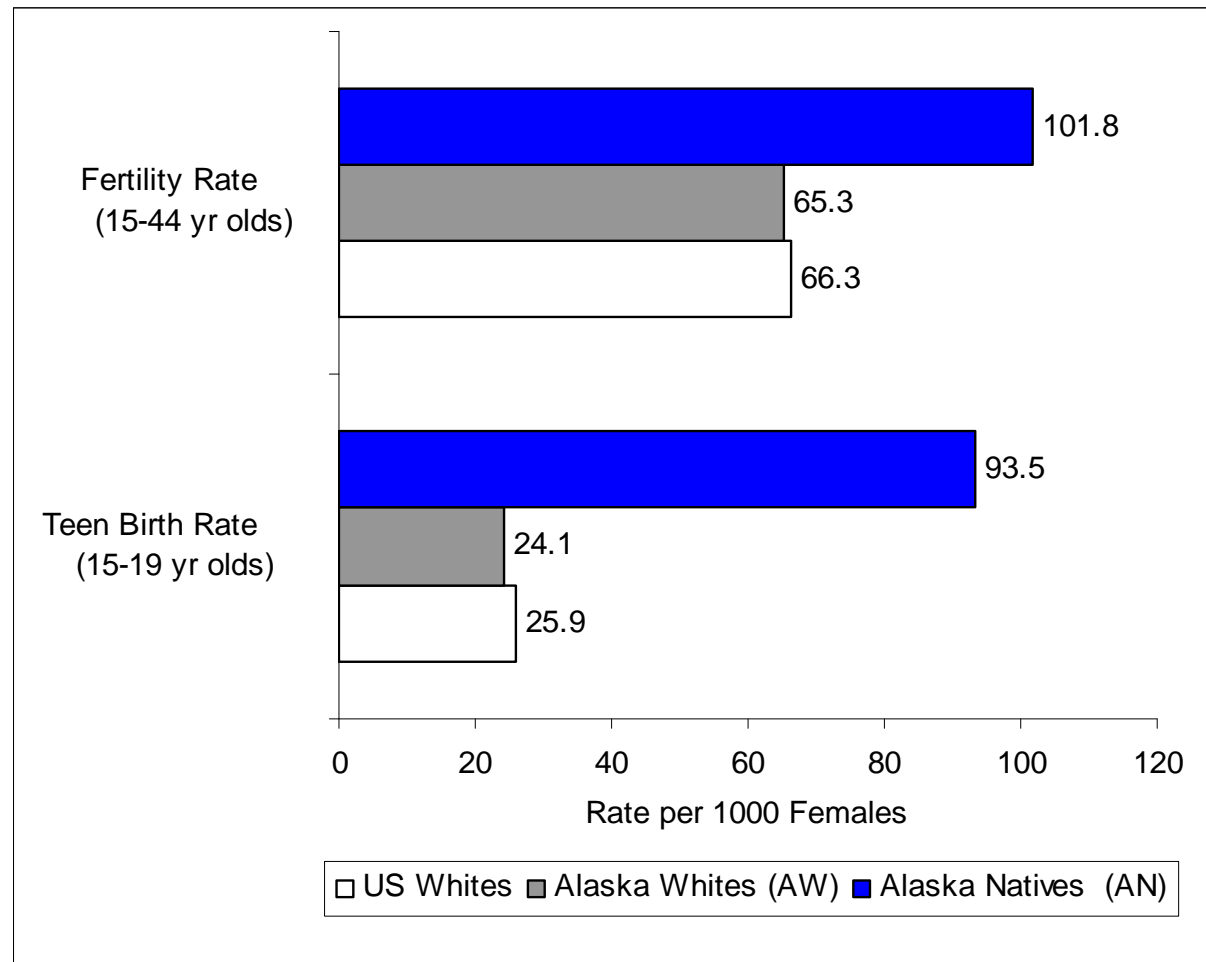
Melissa Toffolon-Weiss, ANTHC



# Fertility and Teen Birth Rates

## Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup>

### 2005



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS. (2) *National Vital Statistics Reports, 2007.*



# Who is not included in the calculation of Alaska Native birth rates.....

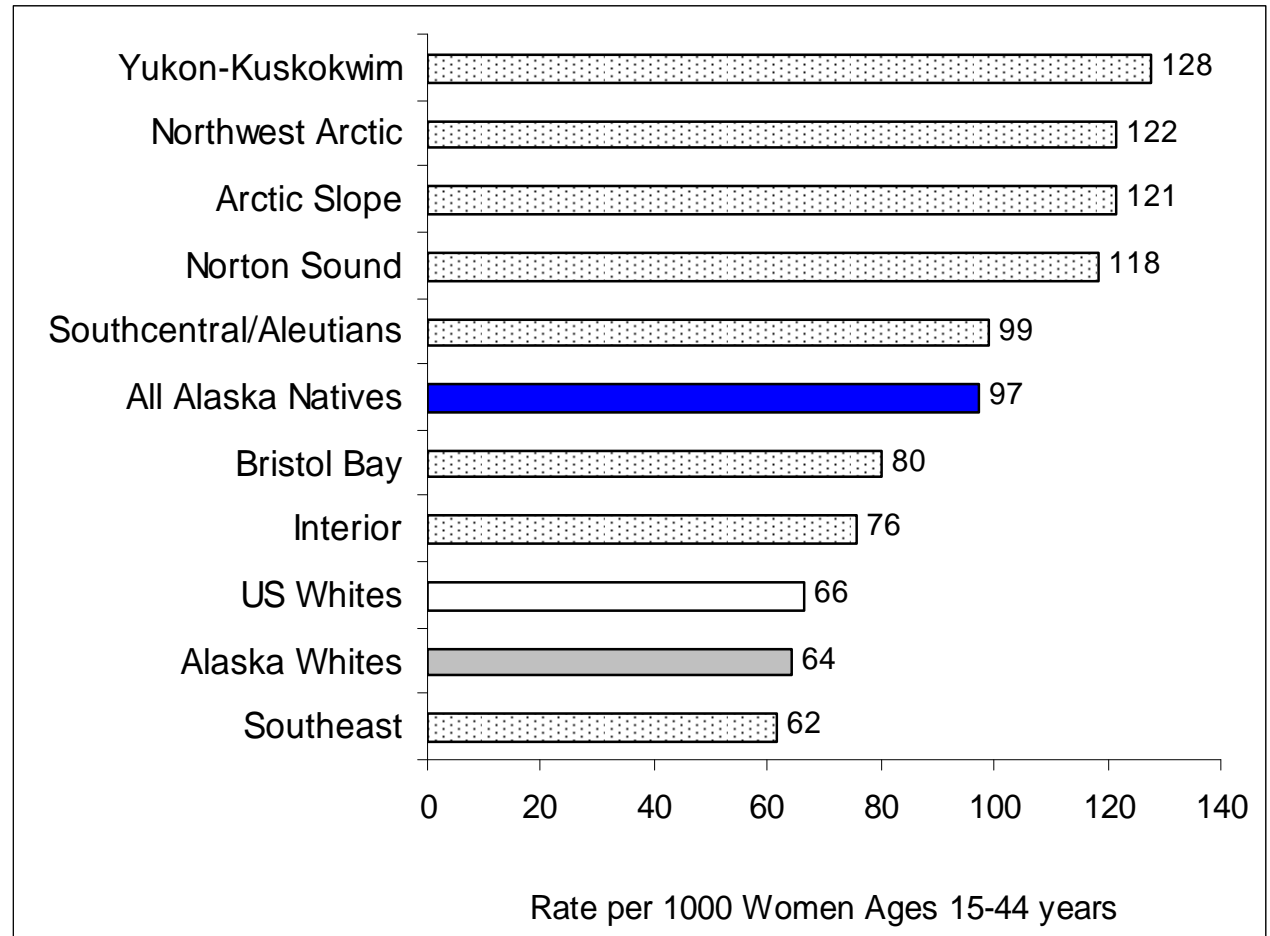
	Alaska Natives (AN)			Alaska Whites (AW)		US Whites
	AN Fathers and non-Native Mothers	AN Mothers	Rate per 1000 Females	AW Mothers	Rate per 1000 Females	Rate per 1000 Females
<b>Fertility Rate</b>	342	2683	101.8	6346	65.3	66.3
<b>Teen Birth Rate</b>	49	428	93.5	426	24.1	25.9



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS.  
 (2) *National Vital Statistics Reports, 2007.*

# Fertility Rates by Service Region

## Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 2001-2005



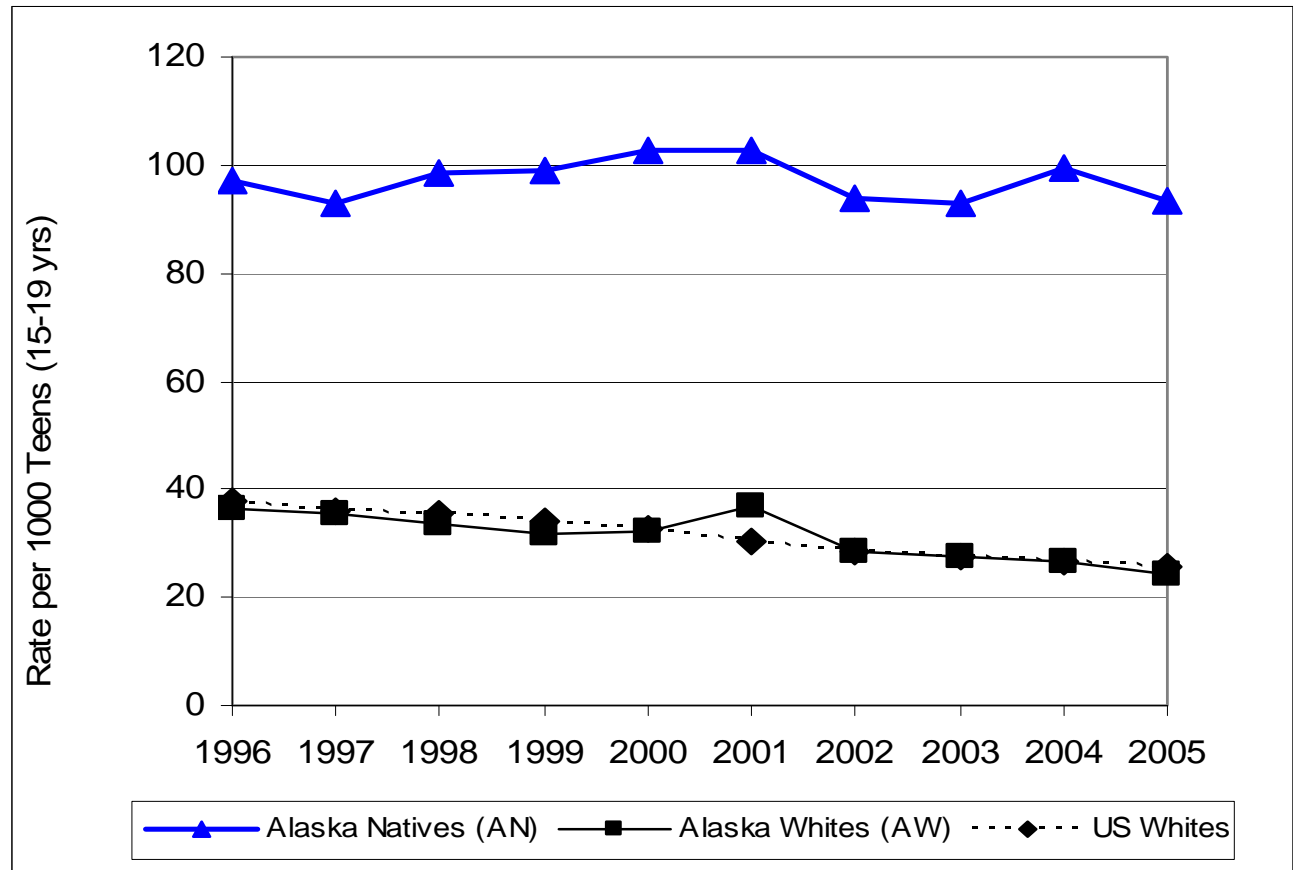
Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS. (2) *National Vital Statistics Reports, 2007*. US White data for 2005. Service Region data for Alaska Natives only.



# Teen Birth Rate (15-19 years)

## Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup>

### 1996-2005



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS.  
(2) *National Vital Statistics Reports, 2007.*



# Who are Alaska Native Parents?

## Age

- ✓ Moms: 50% are <25 yrs
- ✓ Dads: 70% are >25 yrs

## Average Years of Education

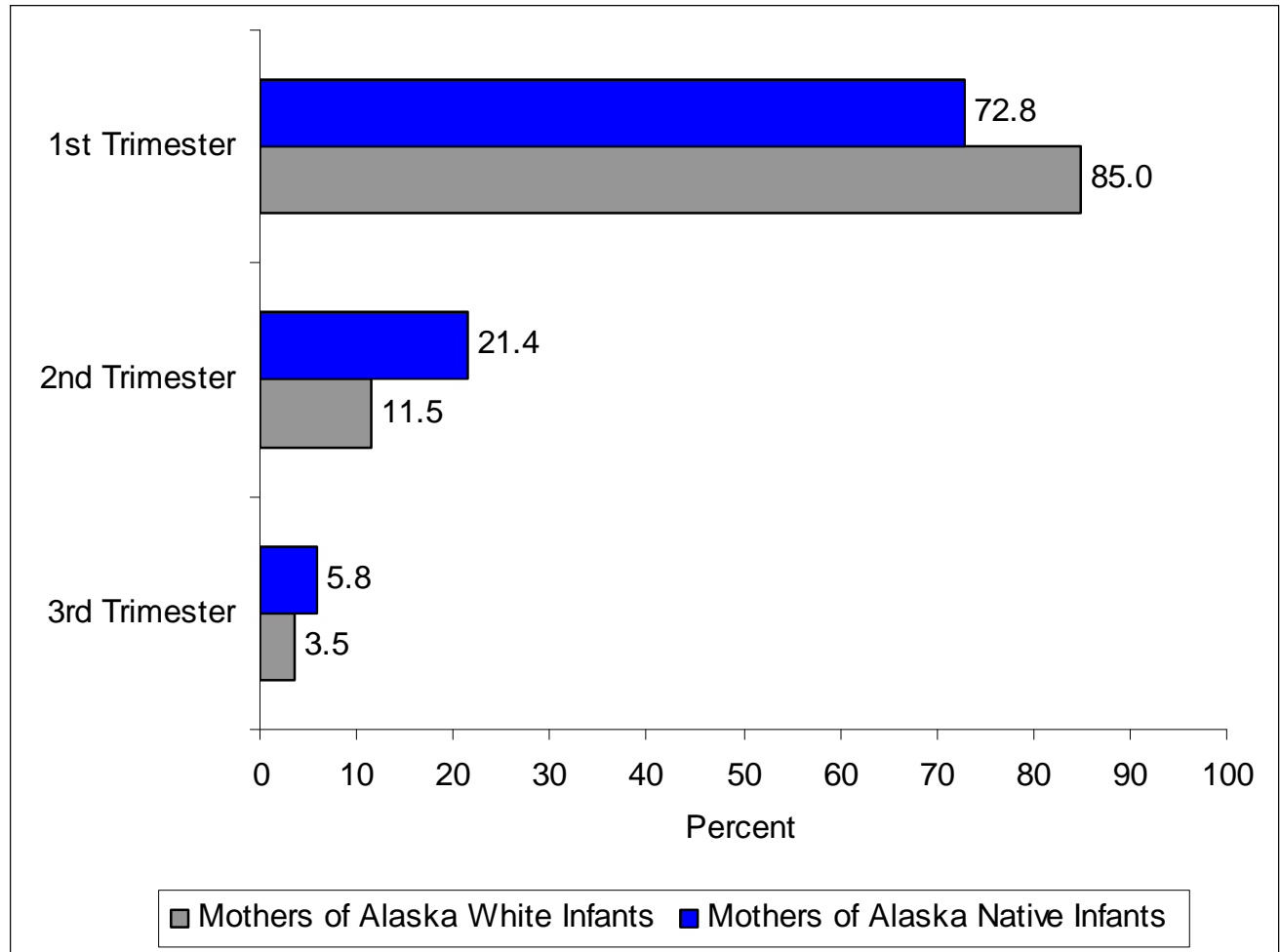
- ✓ Moms: 12 yrs
- ✓ Dads: 12.3 yrs

## Marital Status

- ✓ 59% not married



# Prenatal Care Initiation for Mothers of Alaska Native and Alaska White Infants 2001-2005



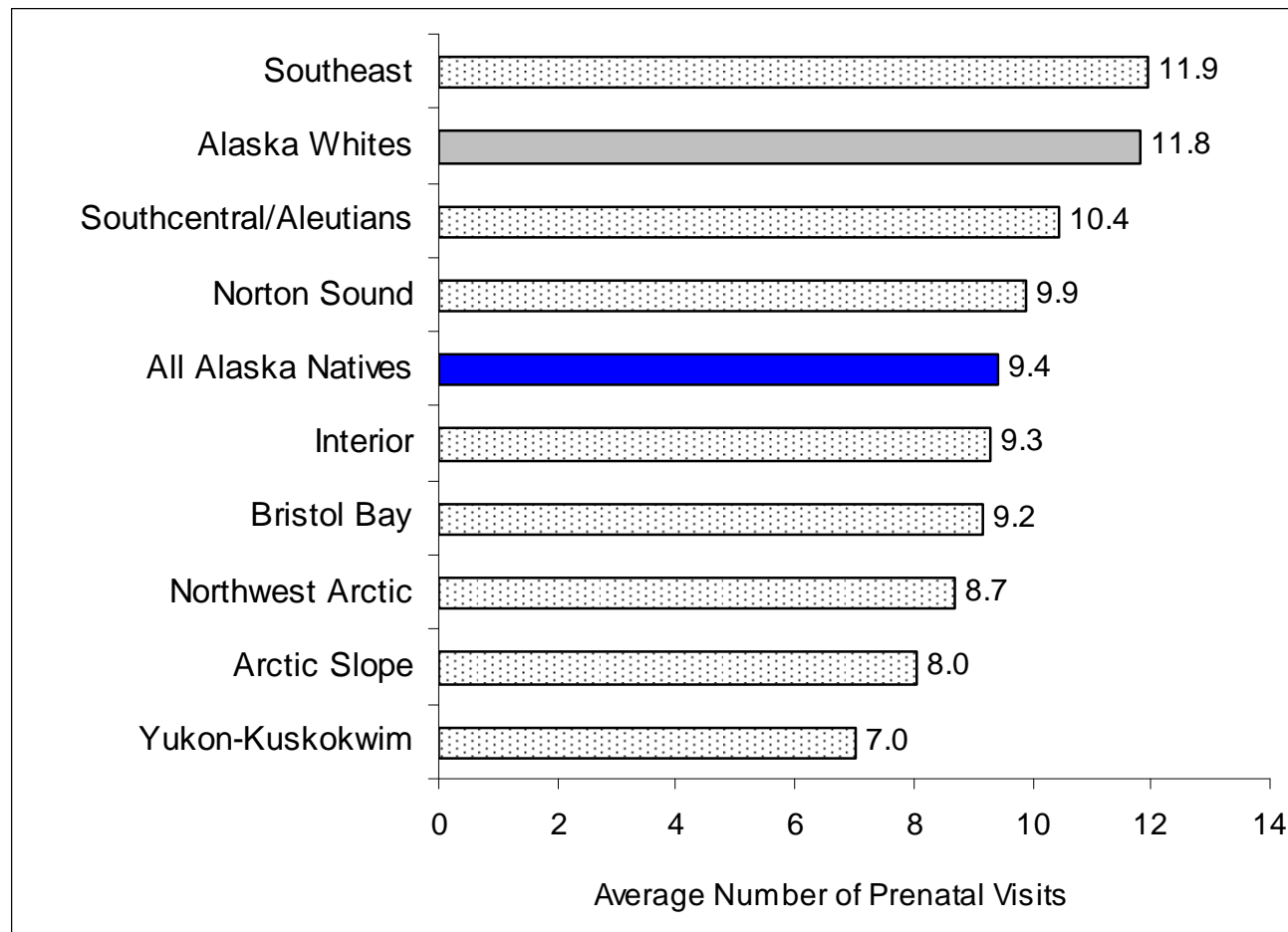
Data Source: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS.





# Average Number of Prenatal Visits by Service Region

## Alaska Native and Alaska White Infants 2001-2005

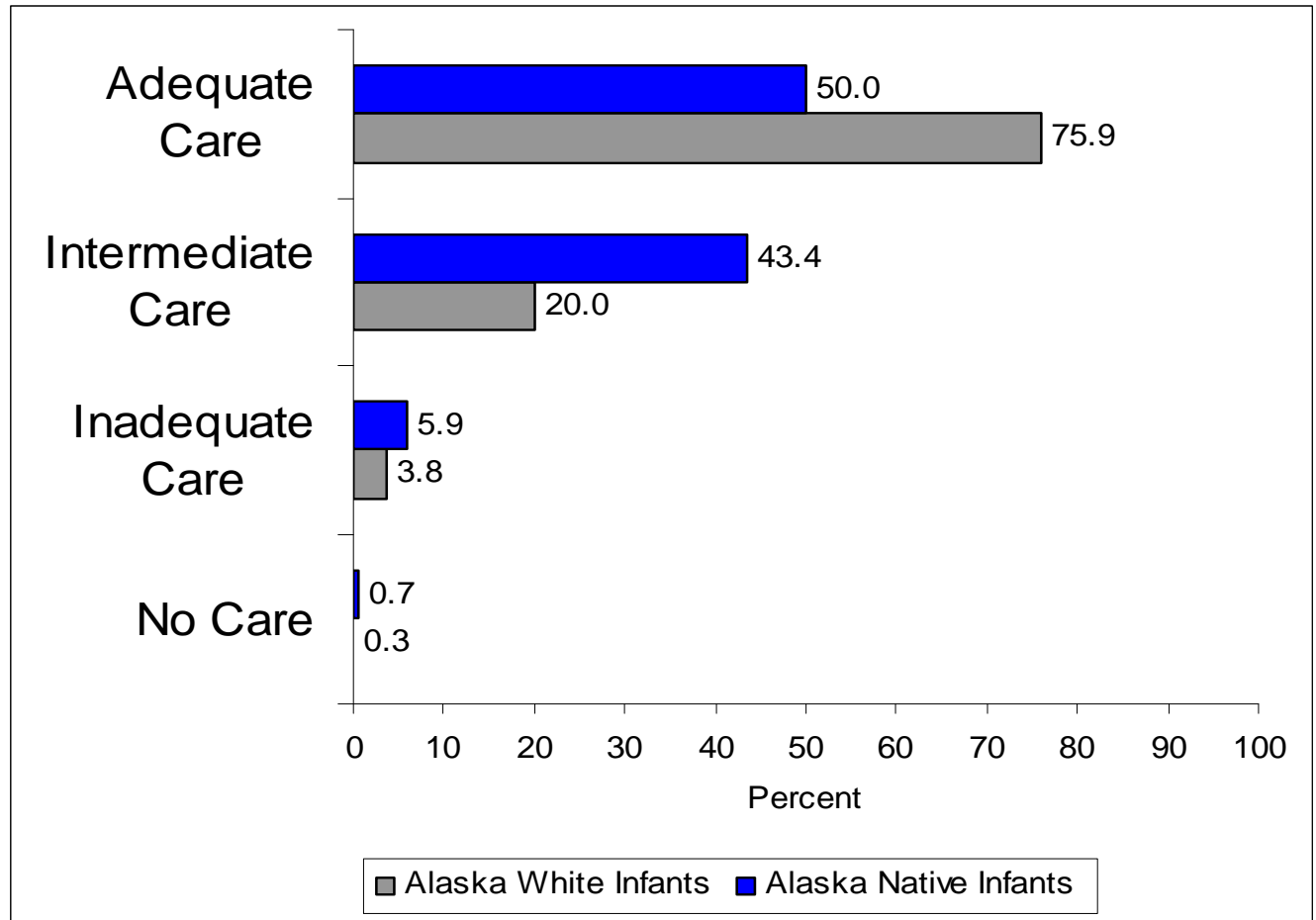


Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS. All Service Region data is for Alaska Natives only.



# Kessner Index

## Alaska Native and Alaska White Infants 2001-2005

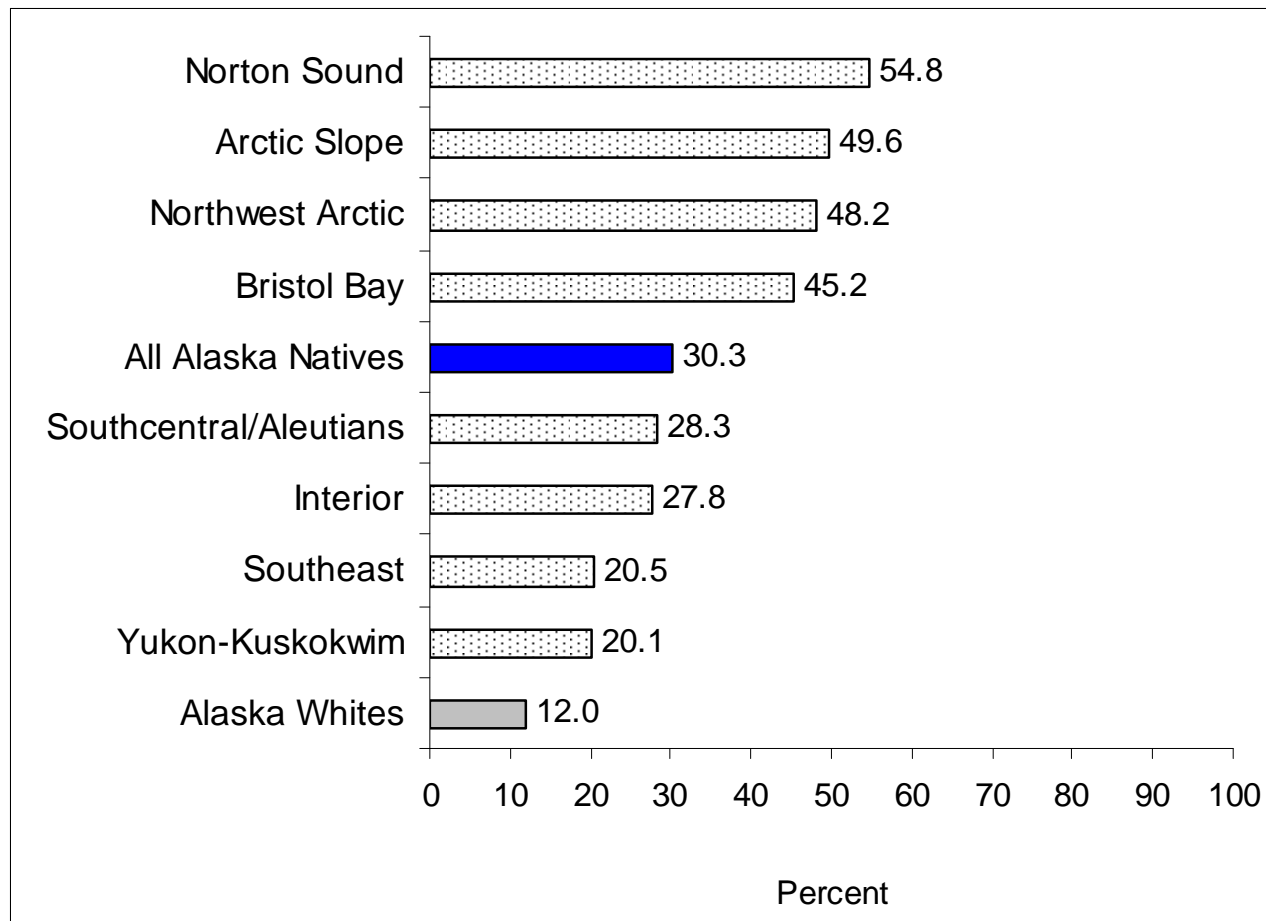


Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS. All Service Region data is for Alaska Natives only.



# Pregnant Mothers Who Smoke by Service Region

## Alaska Native and Alaska White Infants 2001-2005

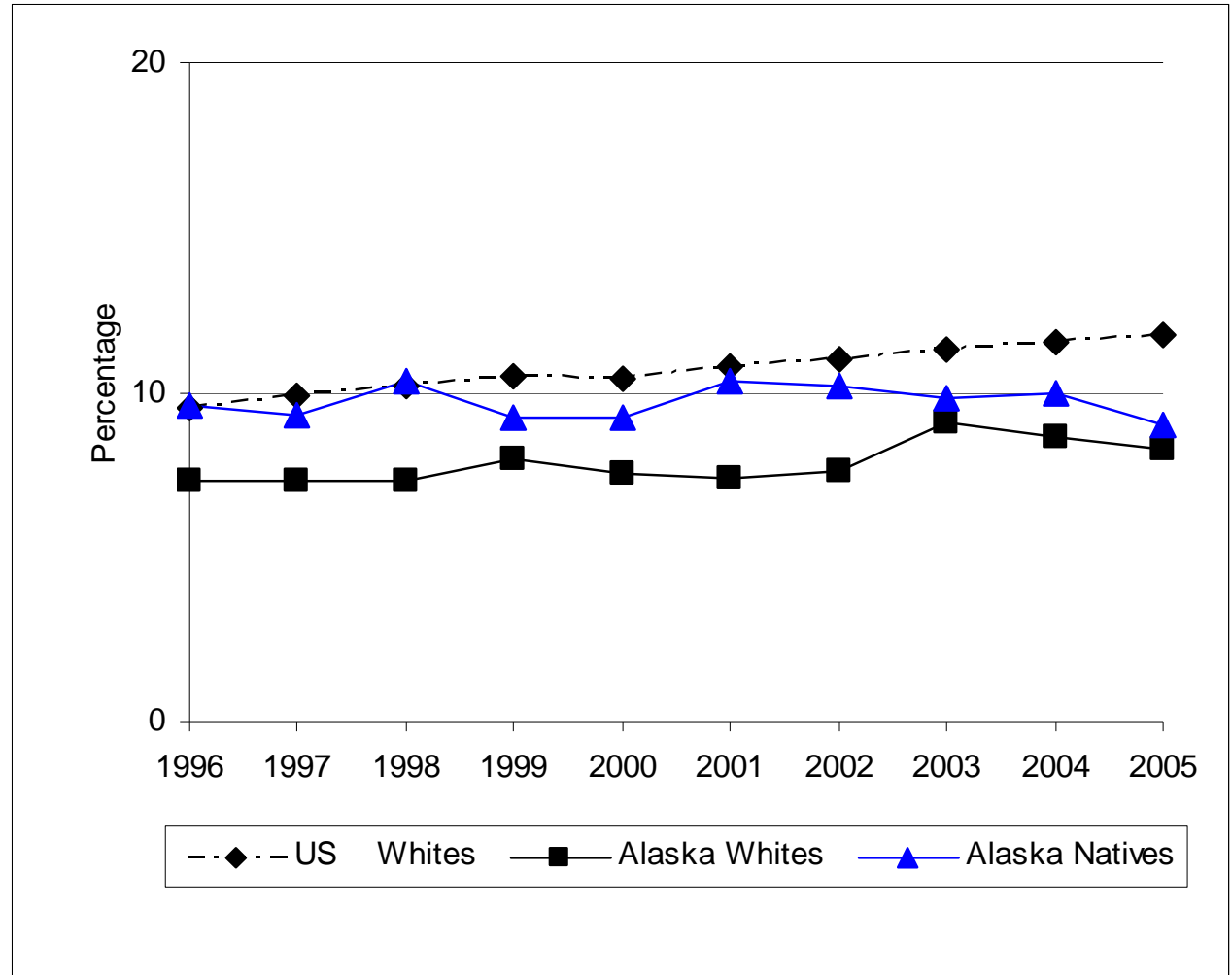


Data Sources: Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS. All Service Region data is for Alaska Natives only.



# Preterm Births

Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup>  
1996-2005

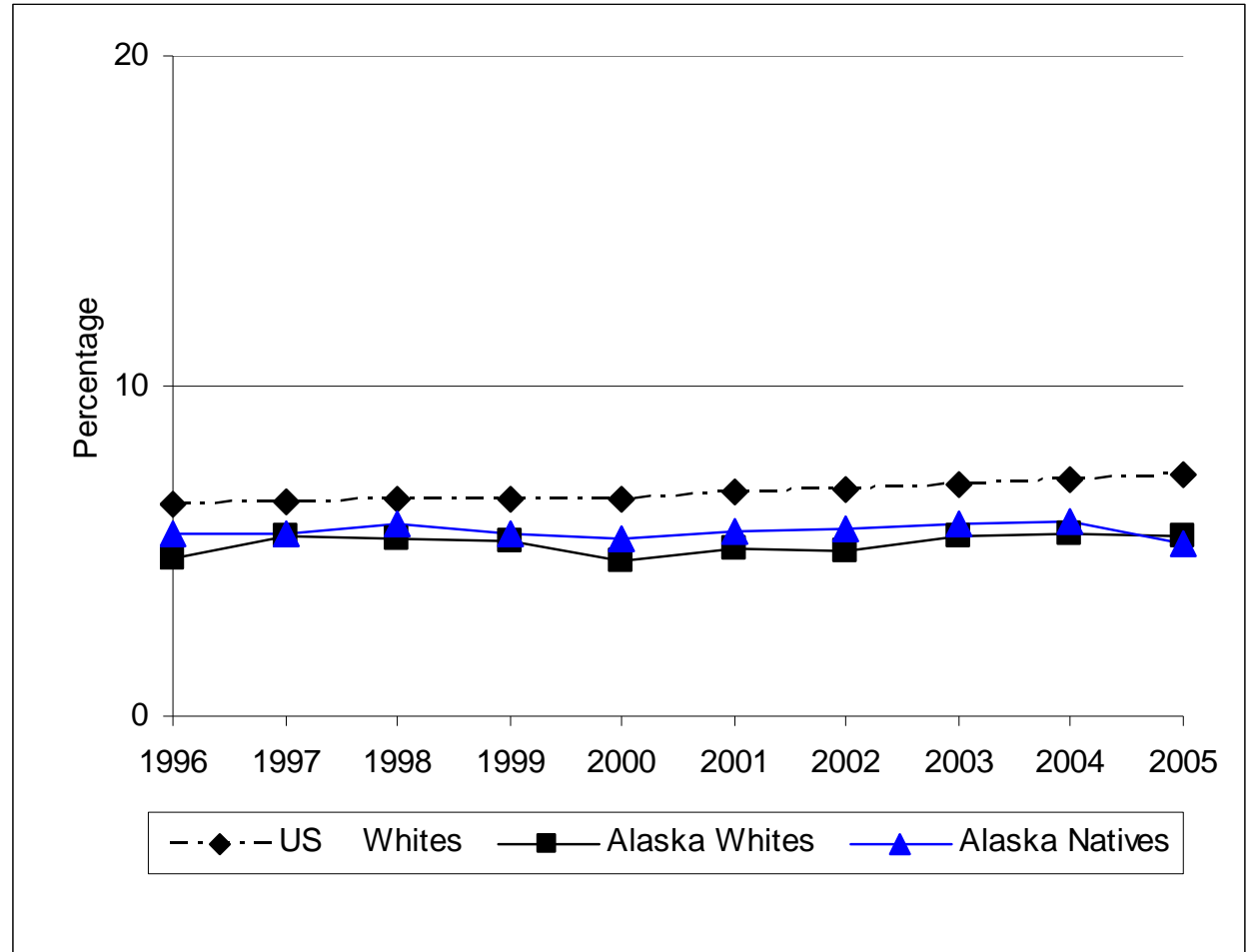


Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS.

(2) *National Vital Statistics Reports, 2007.*



# Low Birthweight Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1996-2005

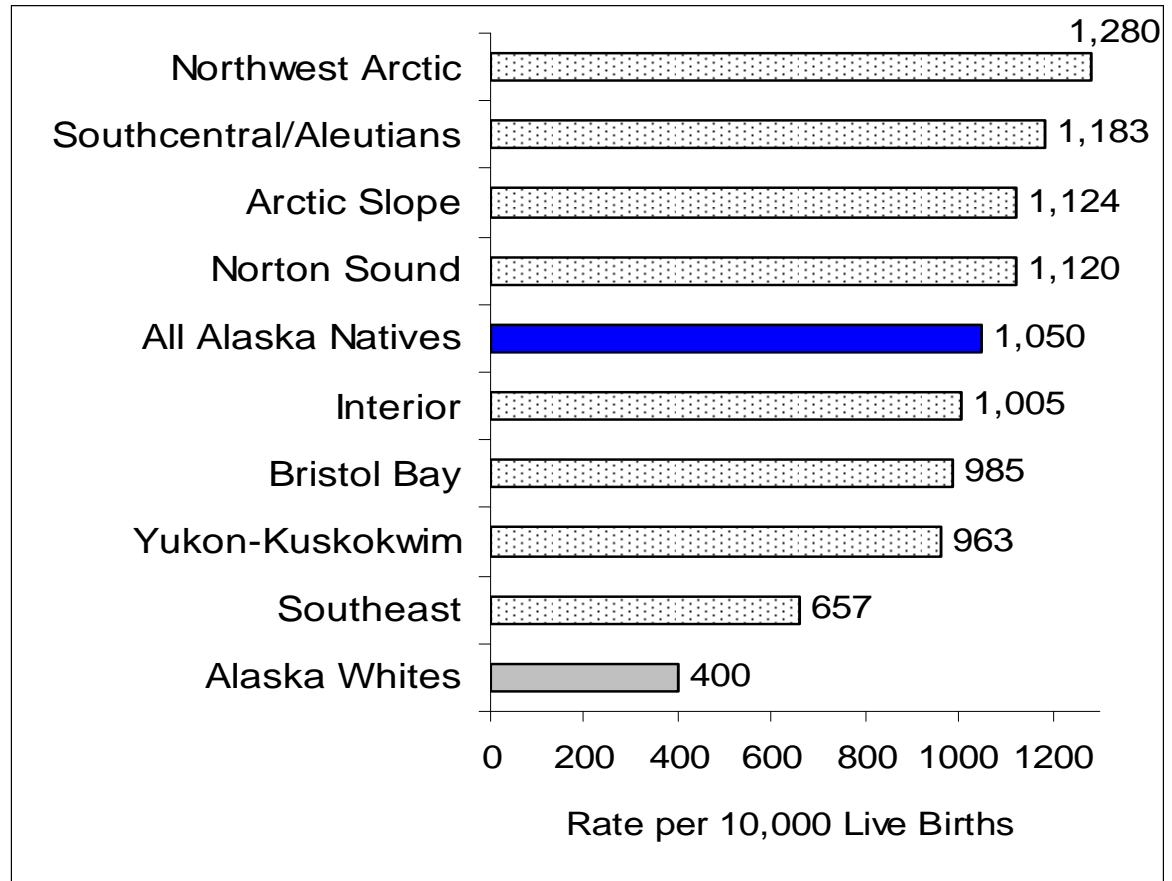


Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS.  
(2) *National Vital Statistics Reports, 2007.*



# Annual Average Rate of Major Birth Defects By Service Region

## Alaska Native and Alaska White Infants 2001-2005

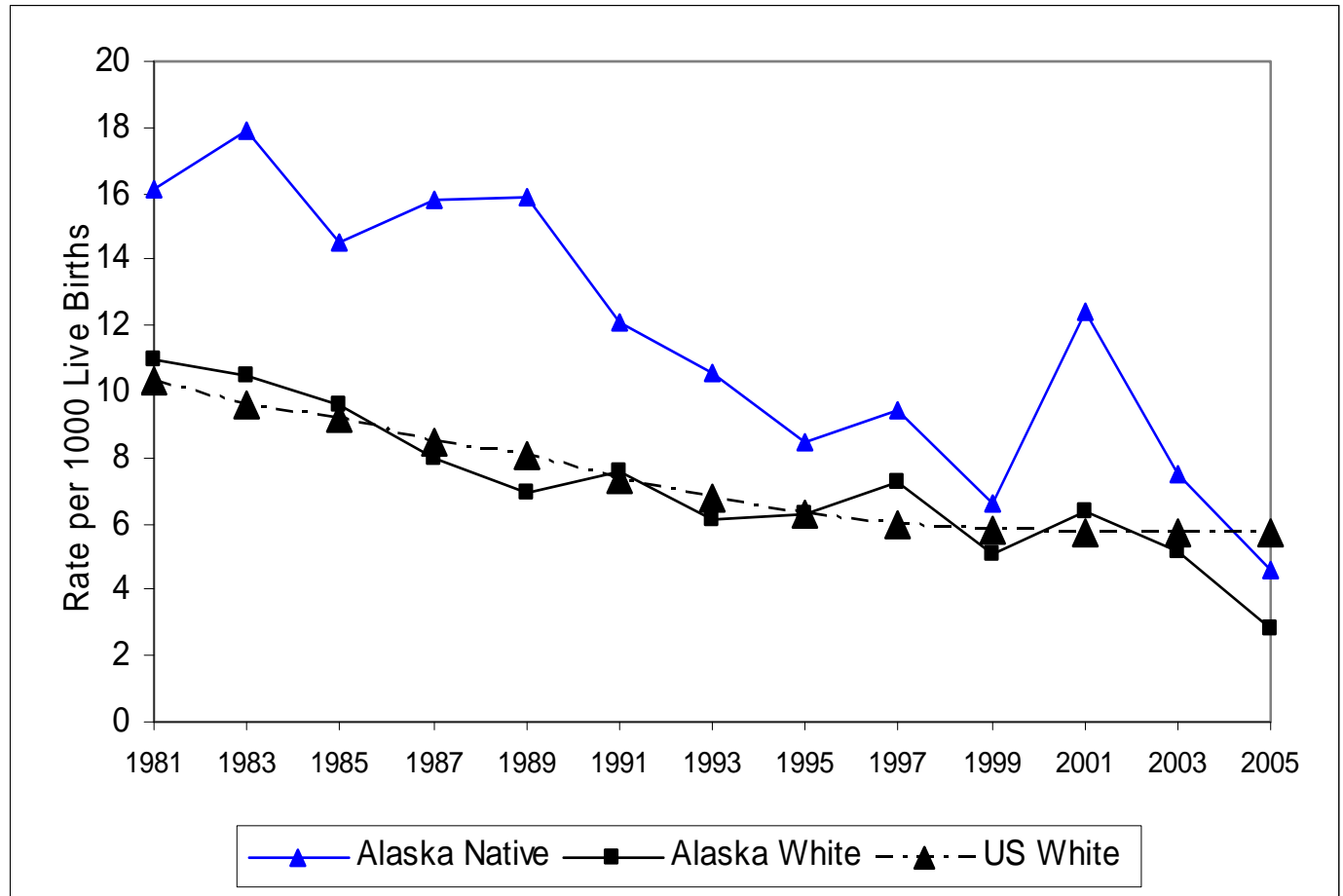


Data Sources: Alaska Birth Defects Registry, Division of Public Health, ADHSS. All Service Region data is for Alaska Natives only.



# Infant Mortality Rate

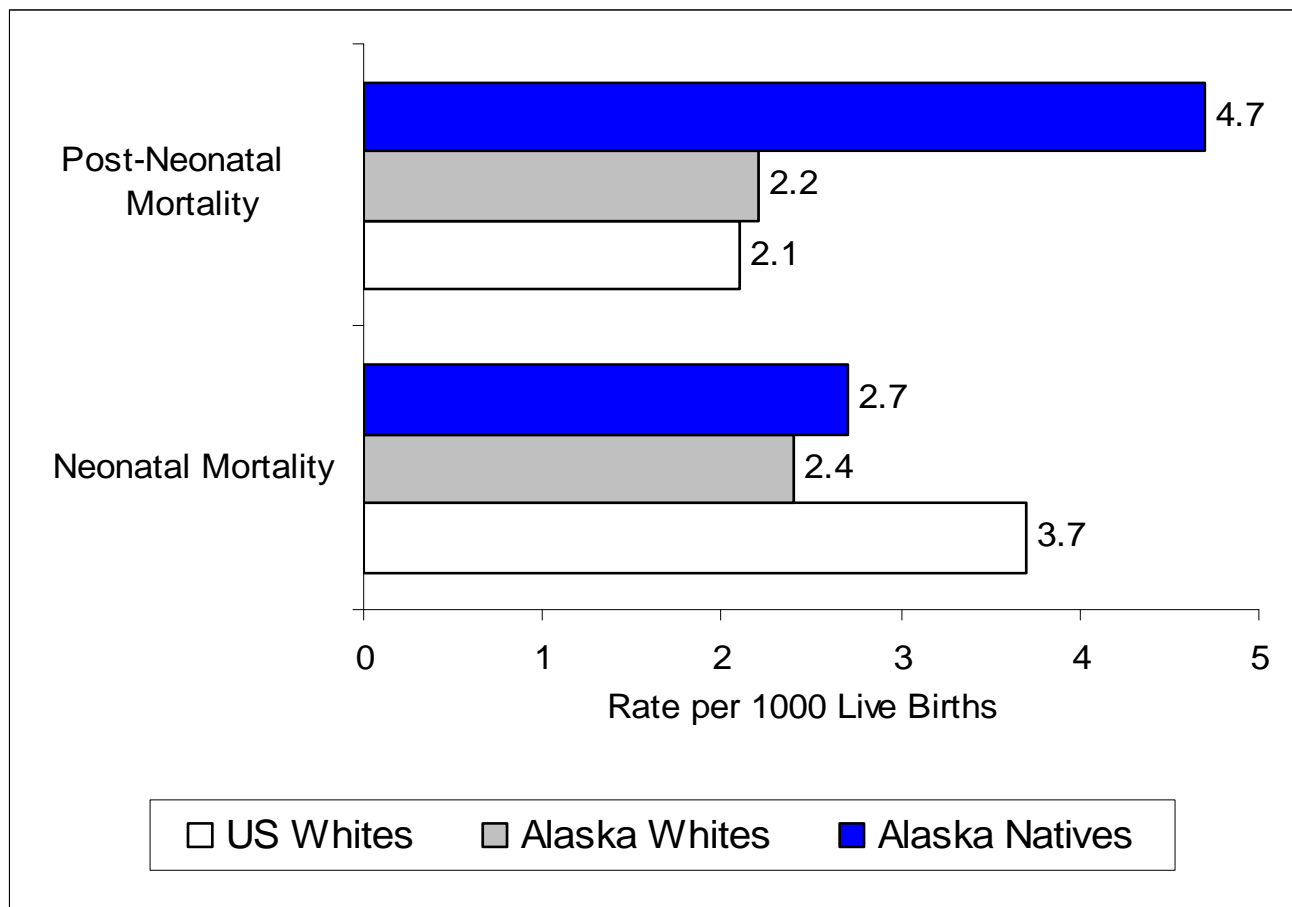
## Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1981-2005



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS and *Alaska Native Births and Deaths, 1980-1997*. (2) *Health, United States, 2005* and *Vital Statistics Reports, Vol 57(2), 2008*.



## Neonatal and Post-neonatal Mortality Rates Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 2001-2005



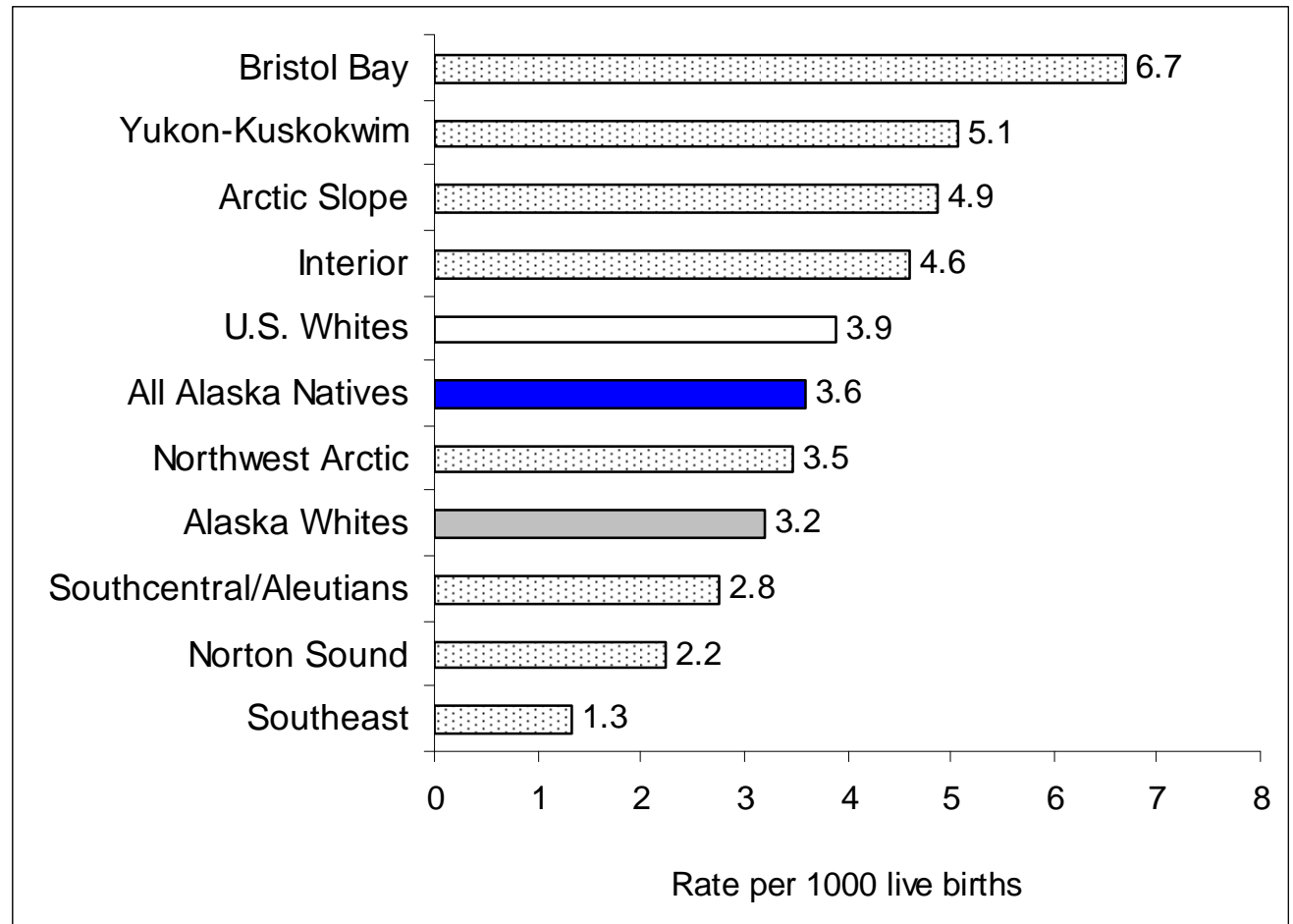
Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS and *Alaska Native Births and Deaths, 1980-1997*. (2) *Health, United States, 2005* and *Vital Statistics Reports, Vol 57(2), 2008*. US White data for 2005.





# Neonatal Mortality by Service Region

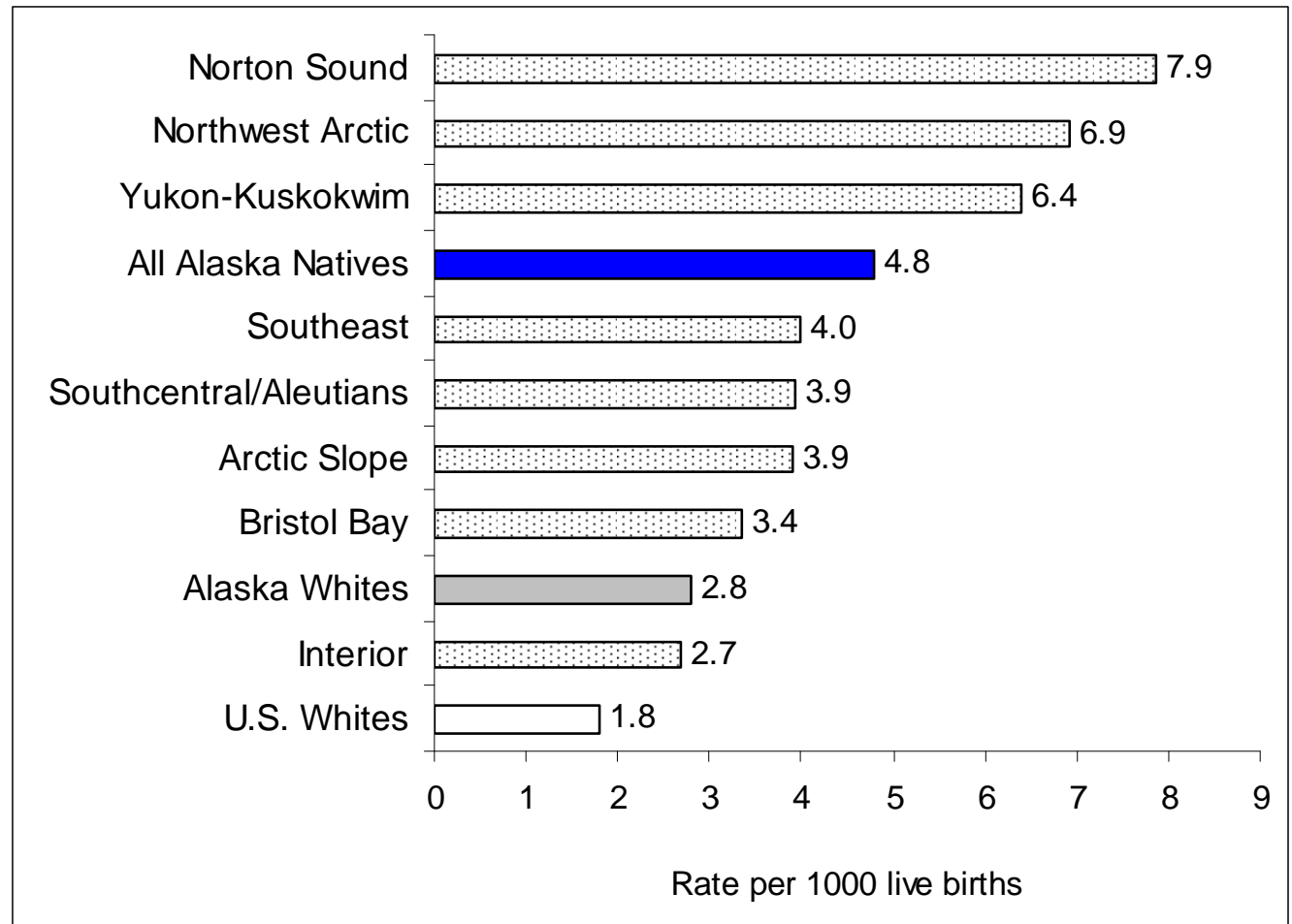
## Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1994-2003



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS and *Alaska Native Births and Deaths, 1980-1997*. (2) *Health, United States, 2005* and *Vital Statistics Reports, Vol 57(2), 2008*. US White data for 2003. All Service Region data is for Alaska Natives.



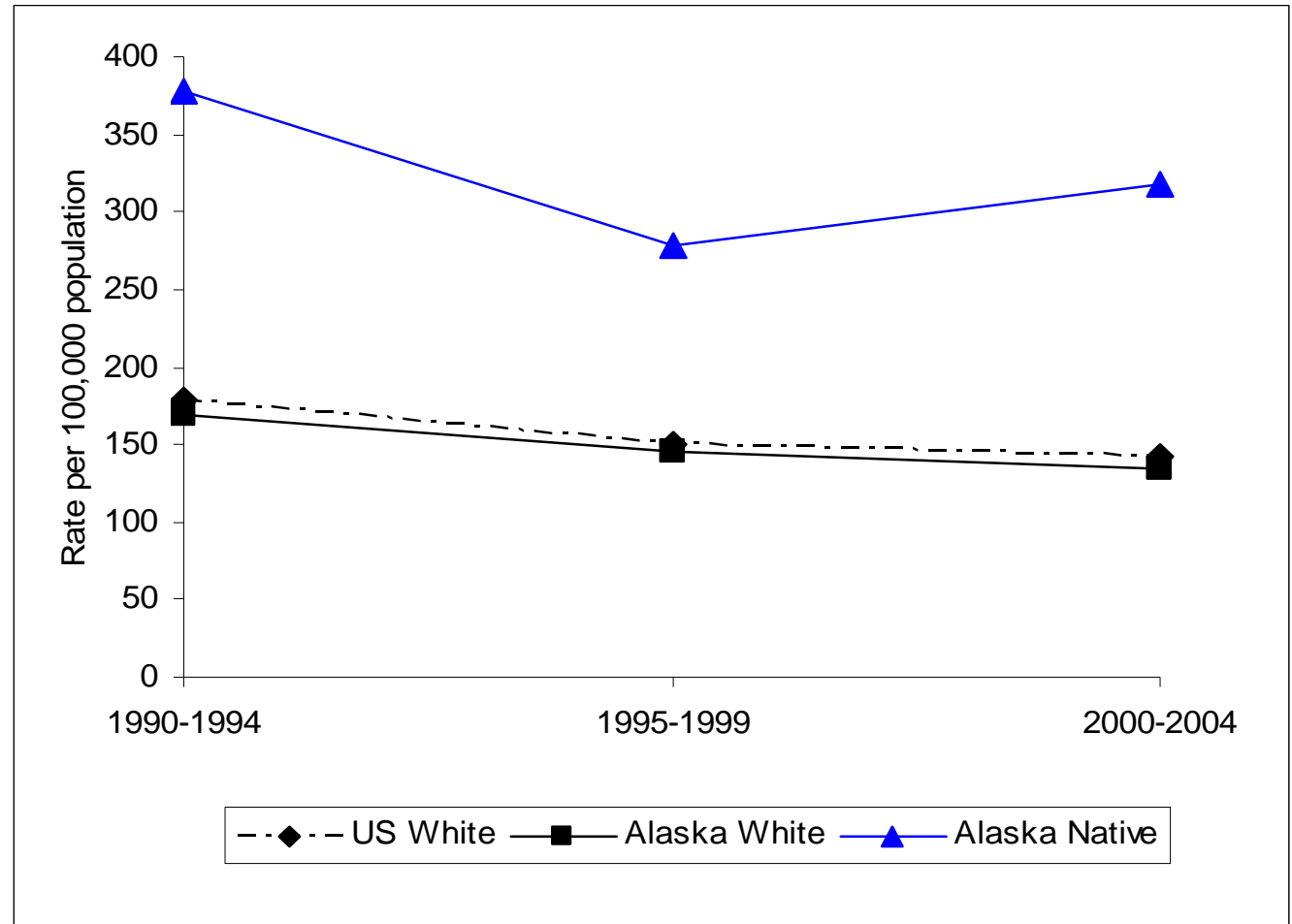
## Post-neonatal Mortality by Service Region Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1994-2003



Data Sources: (1) Alaska Bureau of Vital Statistics, Division of Public Health, ADHSS and *Alaska Native Births and Deaths, 1980-1997*. (2) *Health, United States, 2005* and *Vital Statistics Reports, Vol 57(2), 2008*. US White data for 2003. Service Region data is for Alaska Natives only.



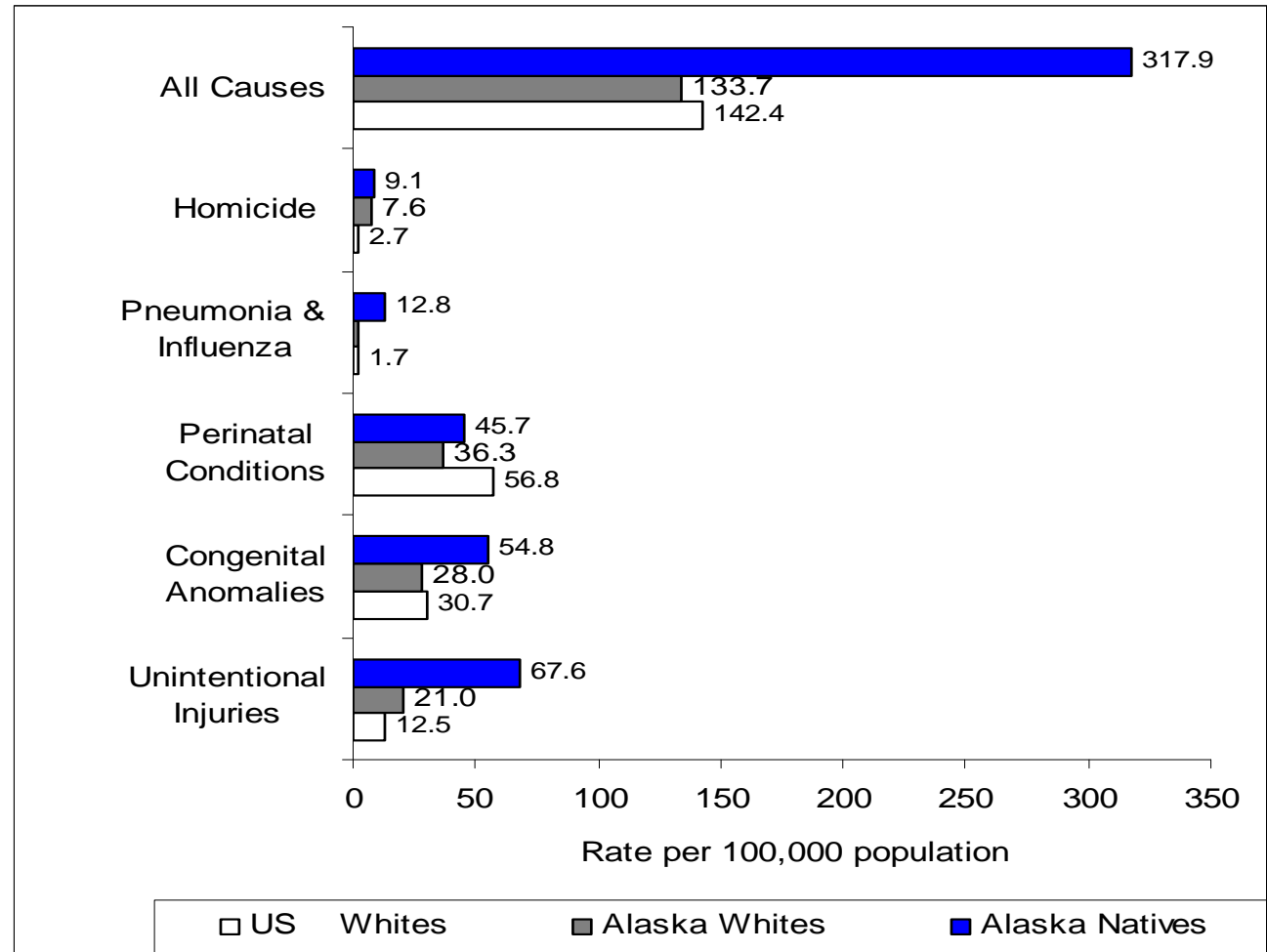
## All Cause Mortality Rate, 0-4 yrs. Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1990-2004



Data Sources: (1) National Cancer Institute's SEER Data Base. (2) *Child Health, USA 2005*.



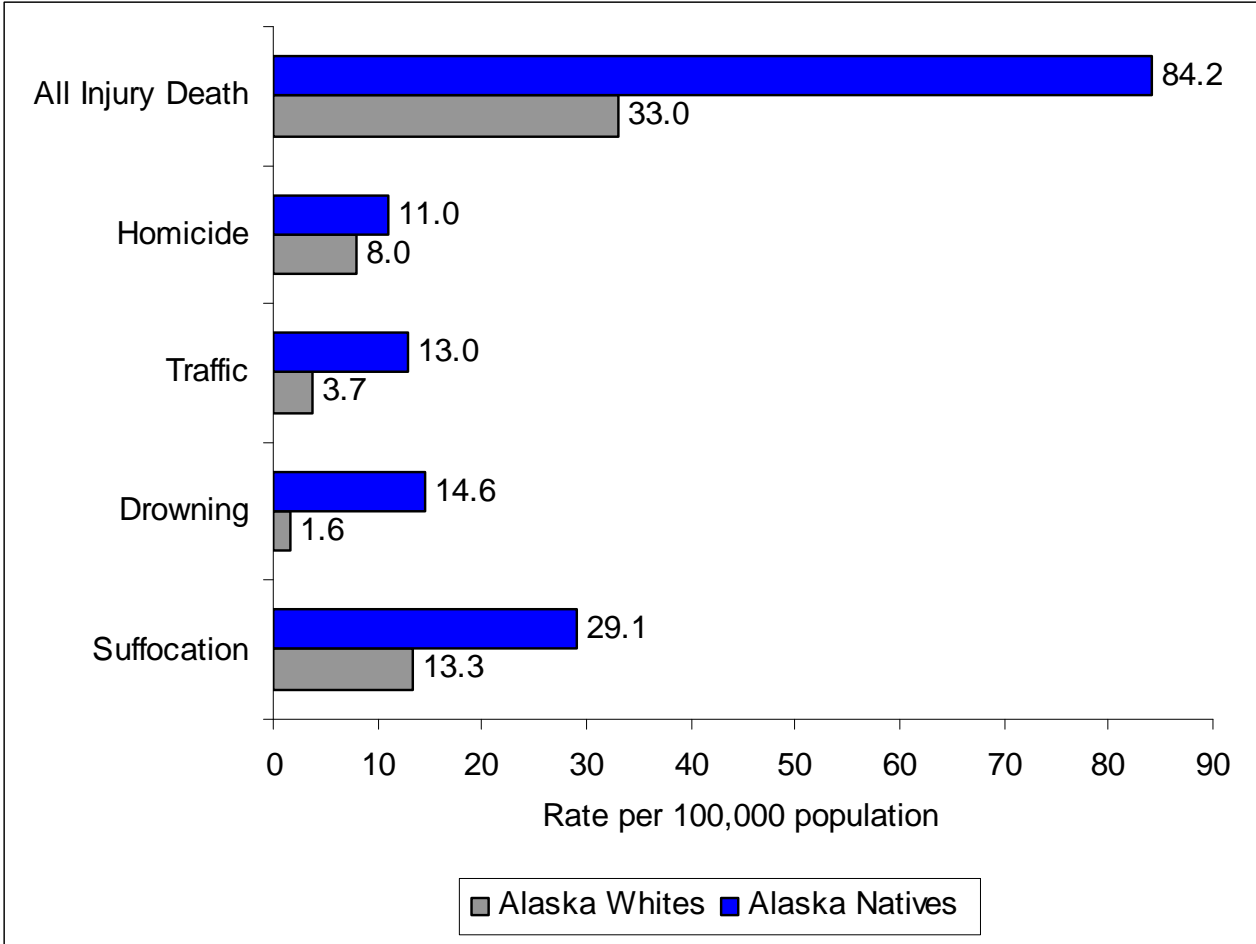
## Leading Causes of Death, 0-4 yrs. Alaska Natives<sup>(1)</sup>, Alaska Whites<sup>(1)</sup> and US Whites<sup>(2)</sup> 1990-2004



Data Sources: (1) National Cancer Institute's SEER Data Base. (2) *Child Health, USA 2005*.



# Leading Cause of Injury Death, 0-4 yrs. Alaska Natives and Alaska Whites 1990-2004



Data Source: Web-based Injury Statistics Query and Reporting System, Centers for Disease Control and Prevention, DHHS.



# Improving Data for Clinicians and Program Directors

- What indicators are missing?
- How would you like the data aggregated?
- What data is of questionable quality?
- How can we best distribute this information?
- What else?



