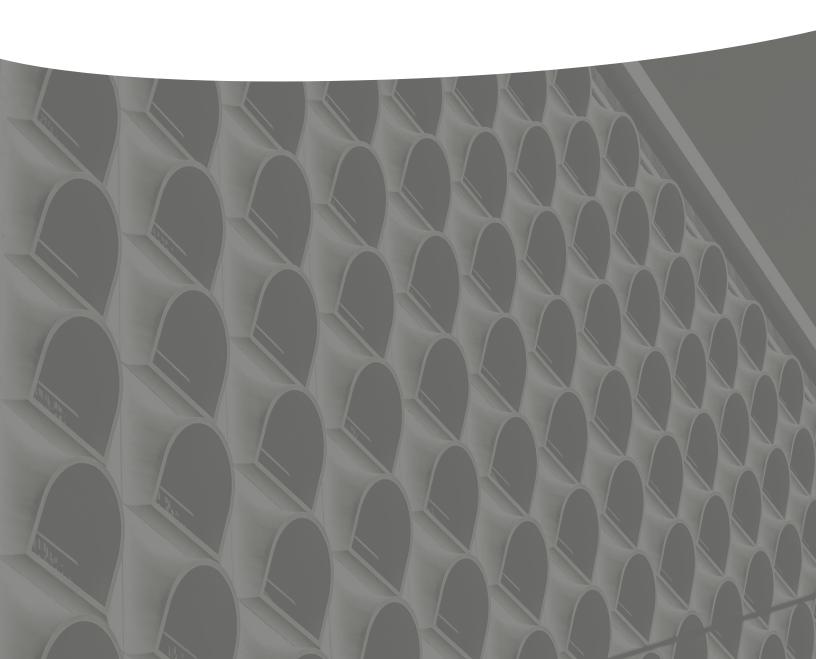
Community Health Profile

Individual Site Report | Santa Barbara UIHP Service Area August 2017





The mission of the UIHI is to support the health and well-being of urban Indian communities through information, scientific inquiry, and technology.







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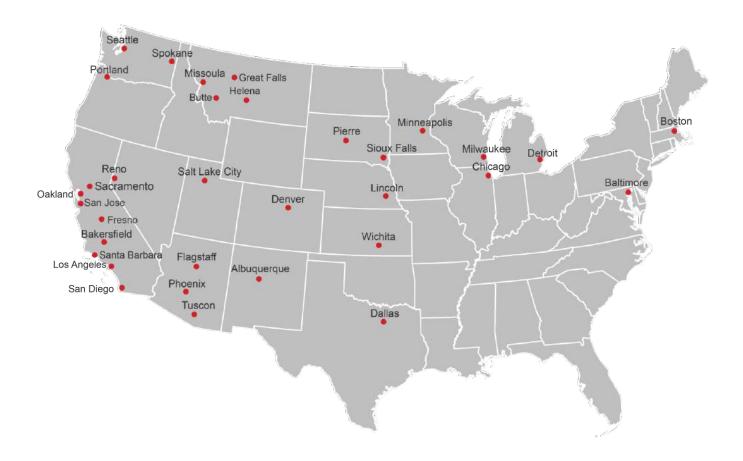
The Urban Indian Health Institute would like to thank the staff at the Urban Indian Health Programs, social service and faith based agencies for the excellent work they do daily on behalf of their communities.

URBAN INDIAN HEALTH PROGRAMS

Urban Indian Health Programs (UIHPs) are private, non-profit corporations that serve American Indian and Alaska Native (AI/AN) people in select cities with a range of health and social services from outreach and referral to full ambulatory care.

UIHPs are a network of 32 independent health agencies funded in part under Subchapter IV (formerly Title V) of the Indian Health Care Improvement Act and receive limited grants and contracts from the federal Indian Health Service (IHS). UIHPs are located in 18 states and serve individuals in approximately 100 U.S. counties where over 1.2 million Al/ANs reside. In addition, there are numerous social service and faith based organizations serving the public health needs of urban Al/ANs.

UIHPs provide traditional health care services, cultural activities, and a culturally appropriate place for urban Al/ANs to receive health care. Comprehensive clinics provide direct primary care for at least 40 hours per week, Limited clinics provide direct primary care services for under 40 hours per week, and Outreach and Referral sites do not provide direct care services on site but refer patients to external health care providers. The map below identifies these sites, some of whom have multiple clinic locations. It does not include Al/AN social service or faith based agencies.



For more information on individual Urban Indian Health Programs, visit http://www.uihi.org/urban-indian-health-organization-profiles/.

INTRODUCTION AND PURPOSE

Introduction

This community health profile provides an overview of the health status of Al/ANs living in select urban counties served by the American Indian Health and Services (AIHS), which is one of the 32 Subchapter IV UIHPs across the country. The counties analyzed in this report are defined as San Luis Obispo County, Santa Barbara County and Ventura County by IHS. This report will refer to the service area as the Santa Barbara service area. This document presents data specific to demographics, social determinants of health, mortality, and maternal and child health. The data used is from national data sources and in no way, uses patient data from AIHS. The profile examines and addresses the disparities that exist among the urban AI/AN population compared to the non-Hispanic White (NHW) population and demonstrates the disproportionality in outcomes and risk factors that adversely affect them. Data for this profile comes from the U.S. Census, the American Community Survey, and the U.S. Center for Health Statistics.

Not all issues important to the health of urban AI/AN communities are included in this report. Locally collected data may provide additional information about the health of AI/ANs living in the Santa Barbara service area. Data presented in this report may be most useful when combined with AIHS data, stories about patients and community members, and local surveillance or survey data when available.

Purpose

Improving community health through effective planning and decision-making requires good information about the factors that influence the health status of community members.² The following examples suggest possible ways to use the data from this report. UIHI is available to provide technical assistance on how to use the following data.

Program Planning

Data in this report can be used by American Indian Health and Services to identify health priorities, allocate resources, and guide the development of innovative programs.

Grant Writing

Data and figures in this report may be useful to include as background information for grant applications. This information can illustrate existing health disparities in the Al/AN population compared to NHW. This report can also be cited as the reference.

Identifying Gaps in Data

This report may also reveal current gaps in nationally collected data. For example, notably low mortality rates may indicate the need for improvements to race determination in death records. State and regional linkage projects can help correctly classify Al/ANs in state death records.³ Oversampling Al/ANs in national surveys is another way to improve data collection by providing sufficient statistical power to provide more stable estimates.

METHODOLOGY

Methods

Analysis

The data for this report only includes information from San Luis Obispo County, Santa Barbara County and Ventura County residents. For each indicator, prevalence or incidence was calculated for the AI/AN population and compared with the NHW population. Because NHWs are the racial/ethnic majority, this population was chosen as the comparison group. The AI/AN population was defined as Al/AN only (not in combination with other races) unless otherwise indicated. The NHW population was defined as White only and excluded the Hispanic population unless otherwise indicated. Results were calculated using aggregate data from a two- to five-year time-period in order to have sufficient data to provide stable estimates and protect individual privacy.

In some instances, confidence intervals were calculated and used to show differences in outcomes for specific indicators displayed in bar graphs. Confidence intervals are ranges of numbers used to assess the accuracy of a point estimate and measure the variability in the data. The point estimate may be a rate, such as a death rate or an infectious disease rate, or a frequency, such as the percent of individuals living in poverty or the percent of adults experiencing unemployment. Confidence intervals account for the uncertainty that arises from the natural variation inherent in the world around us. Confidence intervals also account for the

difference between a sample from a population and the population itself.

For analyses included in this report, confidence intervals were calculated at a p-value of <0.05, the 95 percent confidence level. This means that 95 times out of 100 the confidence interval captures the true value for the population. Differences in outcomes were called statistically significant if confidence intervals of the study group (Al/AN), did not overlap with the comparison group (NHW).

Data analysis for indicators were analyzed using the statistical software StataSE version 13 or SAS version 9.4.

Indicator Selection

A list of indicators for the community health profile were selected after an analysis of the available data sources. Sample size and stratification of each population based on demographics, such as age groups, gender, and education, were considered and used if the sample size was sufficient.

This profile uses national surveillance data. This report does not pull data from the client database of the AIHS or any other urban AI/AN serving organization in the area. There may be information not captured by these systems that better represent the unique strengths and challenges in communities served by AIHS. Local sources of data may provide a more region-specific and comprehensive understanding of the community's health.

METHODOLOGY

Data Limitations

The contents of this report are specific to national surveillance data for San Luis Obispo County, Santa Barbara County and Ventura County only.

Although data analysis and assessment of results were conducted for 42 indicators, data limitations were observed and experienced during the selection of these indicators and their analyses for this report. In some instances, the number of cases/sample size was limited, thus impacting the analysis and preventing or limiting the reporting of results. Frequently, data was only available for Al/ANs alone and was not inclusive of Al/ANs who also identify with another race or ethnicity. Thus, the estimates provided in this report may be an underestimation of the true value of the outcome or risk factor for any indicator analyzed in this report.

Another factor affecting and limiting the analysis of data are errors in racial misclassification, particularly for demographic and mortality data. Racial misclassification is defined as incorrect coding of an individual's race or ethnicity in public records.⁴ This can greatly underestimate the true rate of disease, risk factor, or outcome. Al/ANs are especially likely to experience problems of

incorrect classification on death certificates: therefore, true mortality rates among AI/ANs are assumed to be higher than reported numbers suggest. Because mortality data are extracted from death certificates, the race/ethnicity category is not self-reported and is often completed by a funeral director based on information received from a family member or personal observation. In a national sample, age-adjusted mortality for Al/ANs was underestimated by 9.7%.5 The bias created by misclassification varies by age, proximity to a reservation, and cause-of-death.6 Based on documented racial misclassification of Al/ANs in surveillance data, any of the health disparities presented in this community health profile are assumed to be larger than reported.

Lastly, we would like to acknowledge the presence of other gender identities outside of male and female categories including Two-Spirit and transgender identities which are systemically ignored and not included in these larger national surveillance systems.⁷ The lack of these other categories for gender can lead to invisibility and lack of information to support the health and wellbeing of people outside of binary gender identities, thus limiting our data analysis.

DATA SOURCES

Data Sources

2010 U.S. Census

The U.S. Census takes place every 10 years and provides official population counts for individuals living in the United States and provides information by age, race, Hispanic origin, and sex. In 2010, the U.S. Census allowed individuals to self-report belonging to more than one race group. When determining a population count, this report considers people to be of Al/AN race if they report Al/AN as their only race or if they report being Al/AN in combination with other races. Some Census statistics are not easily accessible when including individuals who report multiple races. For these indicators in the profile, only individuals who report Al/AN alone are included.

For more information about the U.S. census, visit: www.census.gov.

American Community Survey

The American Community Survey (ACS) is a nationwide, continuous survey that collects demographic, housing, social, and economic data every year. To provide reliable estimates for small counties, neighborhoods, and population groups, the ACS provides 1-, 3-, and 5-year aggregate estimates. Estimates for this report are from aggregated data from 2010-2014.

Race is self-reported on ACS, with similar race categories as the U.S. Census. However, some ACS data are not easily accessible for multiple race groups. Therefore, ACS data are reported for

Al/AN alone in this report. ACS estimates in this profile are not adjusted for age; observed differences in estimates may be due to a true difference in rates or due to differences in age distribution in the population.

For more information about the ACS, visit: www.census.gov/acs.

National Vital Statistics System

Mortality data from the National Vital Statistics System (NVSS) is generated from death certificates. This data is the primary source of demographic, geographic, and cause-of-death information among persons dying in a given year. The five most recent years for which complete mortality data was available was from 2010-2014. The five most recent years for which complete infant mortality data was available was from 2008-2012. Maternal mortality was only available from aggregated data from 2010 to 2012. All mortality data are age-adjusted to the U.S. population for the year 2000. Age-adjusted death rates are useful when comparing different populations because they remove the potential bias that can occur when comparing populations with different age distributions. For example, Al/ANs historically are a younger population than other race groups.

Birth certificate data from NVSS data files include all documented births occurring within the United States as filed in each state. These data include demographic information about parents, information on the infant, the mother's risk factors, and information on the birth. The five most recent

DATA SOURCES

years for which complete natality data was available was from 2008-2012.

Since not all states allow individuals to identify as more than one race, National Center for Health Statistics (NCHS) releases bridged-race population estimates for calculation of rates. As a result, estimates in this report may not match local and county estimates because of differing projection methods.

For more information about Vital Statistics, visit: http://www.cdc.gov/nchs/nvss.htm.

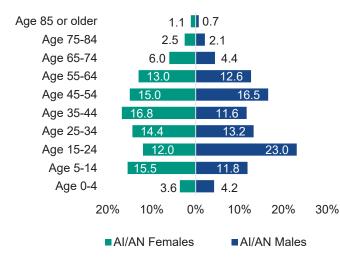
Introduction

The health of individuals and populations is greatly influenced by social determinants – the conditions in which people live, learn, work, and play.^{8,9} Evidence from decades of research on the relationship between key social determinants and health outcomes overwhelmingly suggests that greater social disadvantage leads to poorer health.¹⁰ These determinants, including race, lack of access to education or employment, poverty, and housing, among other things, produce extensive inequities within and between populations.^{8,9} This section presents data on measures of demographics and social determinants of health to illustrate differences between urban Al/ANs and NHWs that may contribute to overall health inequities between these populations.

Age and Gender

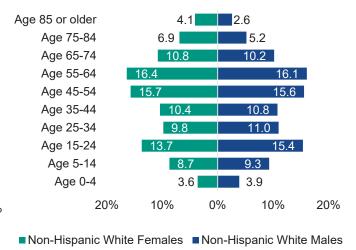
Relative to the NHW population, the Al/AN population in the Santa Barbara service area was younger (Figure 1 and Figure 2). In the Santa Barbara service area, 35.1% of Al/ANs were under the age of 25 years, compared with 27.3% of NHWs. In contrast, 8.4% of Al/ANs were over the age of 65 years, compared with 19.9% of NHWs. This difference in the representation of Al/AN populations over the age spectrum may reflect inequities in access to health care resources, or overall inequities in social determinants of health experienced over the average life course of Al/AN people living in the Santa Barbara service area.

Figure 1. Al/AN Population by Age and Gender, Santa Barbara Service Area, 2010-2014



Source: American Community Survey, 2010-2014

Figure 2. NHW Population by Age and Gender, Santa Barbara Service Area, 2010-2014



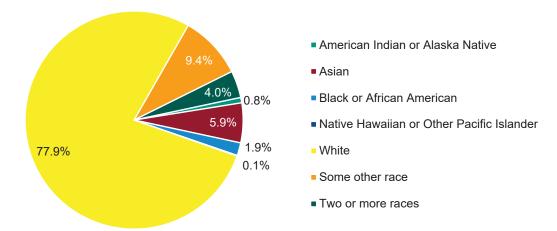
Source: American Community Survey, 2010-2014

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Race

As shown in Figure 3, an estimated 12,378 (0.8%) individuals identified as Al/AN alone in the Santa Barbara service area, and an estimated 28,755 (1.9%) individuals identified as Al/AN alone or in combination with one or more races (data not shown). Those who identified as White alone comprised the largest proportion (77.9%) of the total population (1,541,529) in the Santa Barbara service area. In addition, "Some other race" was the second largest population identified in the Santa Barbara service area, consisting of 144,904 individuals or 9.4% of the total population.

Figure 3. Population by Race, Santa Barbara Service Area, 2010-2014

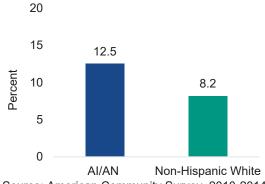


Source: American Community Survey, 2010-2014

Employment

Extensive evidence has shown that unemployment has a negative effect on health. Unemployed individuals may experience financial insecurity and reduction in social status, social relations, and self-esteem. In addition, unemployed individuals are also more likely to lack health insurance coverage. In the Santa Barbara service area, the percent of unemployed Al/AN over 16 years of age was 1.5 times higher than NHWs (12.5% vs. 8.2%; Figure 4). These proportions do not include individuals in the military or individuals who are institutionalized.

Figure 4. Civilian Labor Force 16 Years and Older, Santa Barbara Service Area, 2010-2014

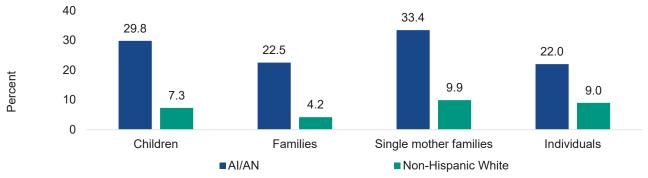


Poverty

Poverty and health are inextricably connected.¹⁴ Poverty may lead to poor health outcomes by limiting access to healthy foods, quality housing, safe neighborhoods, and adequate health care, among other things. Poverty can also impact many aspects of a child's health and well-being. Children in poverty have lower academic achievement and higher rates of high school dropout, accidents, injuries, and food insecurity compared with their more affluent peers. Living in poverty as a child likely affects health throughout a person's lifespan.¹⁵ The American Community Survey defines individuals and families as being in poverty if their income is less than their poverty threshold (less than 100% of the federal poverty level).¹⁶

In the Santa Barbara service area, almost a quarter of Al/AN individuals lived in poverty (22.0%), compared to approximately one tenth of NHWs (9.0%; Figure 5). Al/AN children experience more poverty than NHW children. Approximately one in three Al/AN children aged 17 and under (29.8%) in the Santa Barbara service area lived in households with an income below the federal poverty level. This proportion is 4.1 times that of the NHW population (7.3%). In addition, nearly one in four Al/AN families in the Santa Barbara service area (22.5%) lived in households with an income below the federal poverty level. This is 5.4 times the proportion among NHWs (4.2%). Finally, among those families in households headed by single mothers, over one in three Al/ANs lived in poverty (33.4%), 3.4 times the proportion among NHWs (9.9%).

Figure 5. Income Below the Federal Poverty Level in Past Year, Santa Barbara Service Area, 2010-2014



Source: American Community Survey, 2010-2014

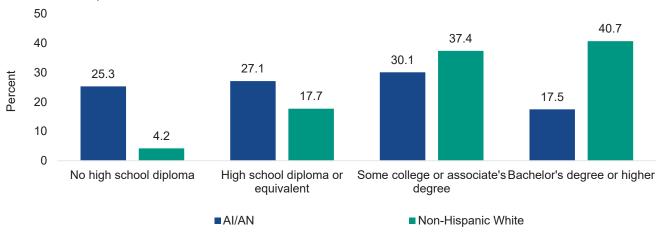
Data note: Federal poverty threshold s are used to determine poverty status. The thresholds are based on family size and the ages of family members. Federal poverty thresholds are not intended as a comprehensive description of families' needs, but rather as a statistical indicator that can be tracked over time.



Educational Attainment

The relationship between education and health, or the "health-education gradient," is well documented.¹⁷ Significant disparities in life expectancy by level of education are found among all demographic groups and are arguably increasing over time.¹⁸ In the Santa Barbara service area, a higher percentage of Al/ANs aged 25 and older had not completed high school or passed the General Educational Development (GED) exam (25.3%), compared with the NHW population (4.2%; Figure 6). A lower percentage of Al/ANs (17.5%) reported an undergraduate or graduate degree as their highest level of education, compared with the NHW population (40.7%).

Figure 6. Educational Attainment for the Population 25 Years and Older, Santa Barbara Service Area, 2010-2014



Health Insurance Coverage

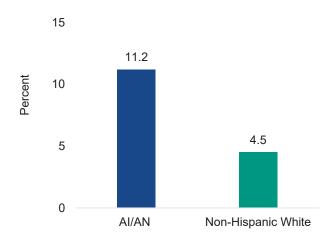
Compared to those with health insurance coverage, those without health insurance coverage have higher mortality rates. ¹⁹ Individuals without health insurance are also less likely to receive care and take longer to return to health after an unintentional injury or the onset of a chronic disease compared to those with health insurance. ²⁰ In the Santa Barbara service area, almost one in four Al/ANs under age 65 (22.9%) reported having no health insurance, a proportion 2.7 times higher than that of NHWs (8.4%; Figure 7). The proportion of uninsured Al/AN children under the age of 18 in the Santa Barbara service area was 2.5 times higher than the proportion of NHW children (11.2% vs. 4.5%, Figure 8).

Figure 7. Population Under 65 with No Health Insurance Coverage, Santa Barbara Service Area, 2010-2014

22.9
20
10
8.4
Al/AN
Non-Hispanic White

Source: American Community Survey, 2010-2014

Figure 8. Population Under 18 with No Health Insurance Coverage, Santa Barbara Service Area, 2010-2014



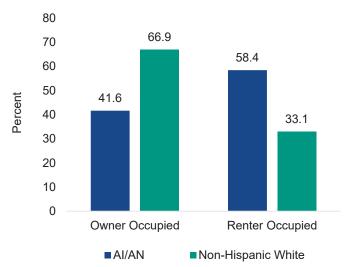


Housing

Housing and health are also closely linked. Several studies have found that home ownership is associated with many health benefits, including greater psychosocial wellbeing and lower mortality risk. ²¹ These benefits may be explained by the fact that homeowners likely experience higher socioeconomic status, fewer problems of overcrowding, and lower exposure to neighborhood violence. In contrast, renters are more likely to experience poorer self-reported health, higher rates of coronary heart disease, and more risk factors, such as smoking. ²¹

In the Santa Barbara service area, the proportion of Al/ANs renting housing was 1.8 times higher than NHWs (58.4% vs. 33.1%, Figure 9). Over half of all homes of Al/ANs were renter occupied, compared with approximately one-third of homes of NHWs. In contrast, the proportion of NHWs owning homes in the Santa Barbara service area was approximately 1.6 times higher than the proportion of Al/ANs owning homes (66.9% vs. 41.6%). Less than half of all homes of Al/ANs were owner occupied, compared with more than two-thirds of homes for NHWs.

Figure 9. Type of Occupied Housing Units, Santa Barbara Service Area, 2010-2014



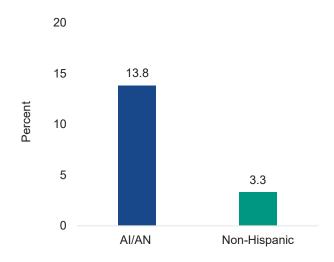


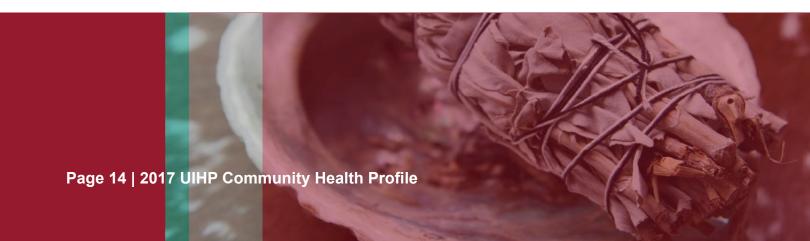
Food Stamps

As the largest food assistance program in the United States, the Supplemental Nutrition Assistance Program (SNAP; formally known as the Federal Food Stamp program) is a crucial part of the social safety net.²² Households with an income below 130% of the federal poverty level are eligible to receive SNAP benefits. According to a study done by the U.S. Department of Agriculture, which administers the SNAP program, 55% of households receiving SNAP benefits remained food insecure after receiving SNAP.23 Moreover, children in households that receive SNAP benefits are significantly more likely to suffer from an array of health problems than those in households that do not receive SNAP.22

In the Santa Barbara service area, 13.8% of Al/AN households received SNAP benefits in the past year (Figure 10). The proportion of SNAP participation among Al/ANs in this area was 4.2 times higher than participation among NHW.

Figure 10. Households that Received SNAP Benefits in the Past Year, Santa Barbara Service Area, 2010-2014





Introduction

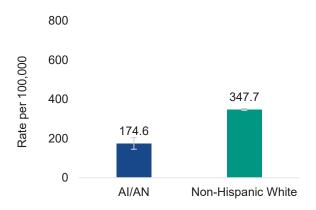
Mortality data provides an indication of a community's or population's health and socioeconomic development status. Mortality data are also a key component in understanding population size, future growth, and change. Examining mortality data is one way to measure the burden of disease in a community or population. Tracking death rates may identify groups that are at an increased risk for premature death and may identify specific diagnoses resulting in death that are more prevalent in certain populations. In addition, high mortality rates may indicate an issue with environmental factors, communicable diseases, risk factors, and/or socioeconomic factors.

This section examines age-adjusted mortality by race, gender, age groups, and specific causes of mortality. It is important to note that racial misclassification leads to an underestimation of mortality rates in AI/AN populations.²⁴ True mortality rates among AI/ANs in the Santa Barbara service area are assumed to be higher than the rates described for this section.

All-Cause Mortality Rate

The all-cause mortality rate was approximately 50% lower for the NHW population, compared to the Al/AN population; this is a significant difference (Figure 11).

Figure 11. All-Cause Mortality Rate, Santa Barbara Service Area, 2010-2014

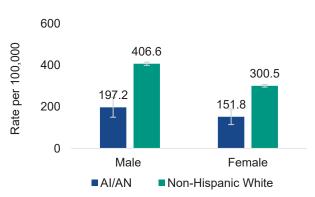


Source: US Center for Health Statistics, Death Certificates, 2010-2014

Mortality Rate by Gender

The mortality rate for both males and females was 51.5% and 49.5% lower, respectively, among Al/ANs compared to their NHW counterparts (Figure 12). In addition, the mortality rate for Al/AN women was 23% lower than Al/AN men.

Figure 12. Mortality Rate by Gender, Santa Barbara Service Area, 2010-2014



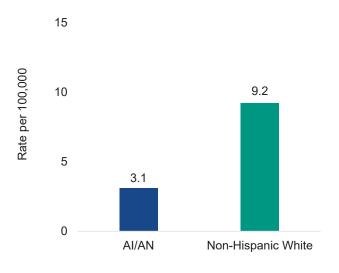
Source: US Center for Health Statistics, Death Certificates.



Suicide

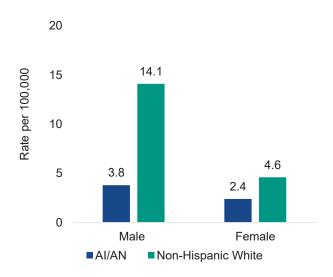
The suicide rate was three times higher among NHWs, compared to Al/ANs (Figure 13). In addition, the suicide rate by gender was higher for both NHW men and women compared to Al/AN men and women at 3.7 and 1.9 times higher, respectively (Figure 14). When comparing rates of suicide among Al/ANs, the suicide rate for Al/AN males was 1.6 times higher compared to Al/AN females.

Figure 13. Overall Suicide Rate, Santa Barbara Service Area, 2010-2014



Source: US Center for Health Statistics, Death Certificates, 2010-2014

Figure 14. Suicide Rate by Gender, Santa Barbara Service Area, 2010-2014



Source: US Center for Health Statistics, Death Certificates, 2010-2014

Top Causes of Mortality

Table 1. Overall Top Causes of Mortality, Santa Barbara Service Area, 2010-2014

AI/AN			NHW		
Rank	Cause	Rate (per 100,000)	Rank	Cause	Rate (per 100,000)
1	Vascular disease	206.5	1	Vascular disease	269.6
2	Cancer	68.4	2	Cancer	190.2
3	Diabetes	17.5	3	Chronic lower respiratory disease	44.6
4	Chronic liver disease and cirrhosis	16.0	4	Alzheimer's disease	40.0
5	Chronic lower respiratory disease	9.0	5	Intentional self-harm	18.3

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 1 summarizes the top causes of mortality for both AI/AN and NHW.

Table 2. Top Male Causes of Mortality, Santa Barbara Service Area, 2010-2014

AI/AN Males			NHW Males		
Rank	Cause	Rate (per 100,000)	Rank	Cause	Rate (per 100,000)
1	Vascular disease	71.5	1	Vascular disease	135.9
2	Cancer	31.5	2	Cancer	96.9
3	Diabetes	16.7	3	Chronic lower respiratory disease	19.6
4	Chronic liver disease and cirrhosis	11.0	4	Intentional self-harm	14.1
5	Alzheimer's disease	4.8	5	Alzheimer's disease	13.5

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 2 summarizes the top causes of mortality for both AI/AN and NHW men.



Table 3. Top Female Causes of Mortality, Santa Barbara Service Area, 2010-2014

Al/AN Female			NHW Females		
Rank	Cause	Rate (per 100,000)	Rank	Cause	Rate (per 100,000)
1	Vascular disease	48.8	1	Vascular disease	95.3
2	Cancer	26.1	2	Cancer	75.5
3	Chronic lower respiratory disease	5.1	3	Chronic lower respiratory disease	18.2
4	Chronic liver disease and cirrhosis	5.0	4	Alzheimer's disease	16.3
5	Alzheimer's disease	3.0	5	Diabetes	5.6

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 3 summarizes the top causes of mortality for both AI/AN and NHW women.

Cancer Mortality

Table 4. Overall Top Causes of Cancer Mortality, Santa Barbara Service Area, 2010-2014

AI/AN			NHW		
Rank	Cause	Rate (per 100,000)	Rank	Cause	Rate (per 100,000)
1	Tracheal/Bronchus/ Lung cancer	14.6	1	Tracheal/Bronchus/ Lung cancer	36.9
2	Stomach cancer	5.6	2	Colon cancer	16.4
3	Breast cancer	5.5	3	Breast cancer	14.2
4	Leukemia	4.8	4	Pancreatic cancer	12.8
5	Colon cancer	4.5	5	Prostate cancer	12.5

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 4 summarizes the top causes of cancer mortality for both AI/AN and NHW.



Table 5. Top Male Causes of Cancer Mortality, Santa Barbara Service Area, 2010-2014

AI/AN Males			NHW Males		
Rank	Cause	Rate (per 100,000)	Rank	Cause	Rate (per 100,000)
1	Tracheal/Bronchus/ Lung cancer	5.2	1	Tracheal/Bronchus/ Lung cancer	20.0
2	Leukemia	4.8	2	Prostate cancer	12.6
3	Colon cancer	3.3	3	Colon cancer	7.7
4	Prostate cancer	2.8	4	Bladder cancer	7.1
5	Breast cancer	2.2	5	Pancreatic cancer	6.7

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 5 summarizes the top causes of cancer mortality for both AI/AN and NHW men.

Table 6. Top Female Causes of Cancer Mortality, Santa Barbara Service Area, 2010-2014

AI/AN Females			NHW Females		
Rank	Cause	Rate (per 100,00)	Rank	Cause	Rate (per 100,00)
1	Stomach cancer	5.6	1	Tracheal/Bronchus/ Lung cancer	16.7
2	Tracheal/Bronchus/ Lung cancer	5.6	2	Breast cancer	13.1
3	Breast cancer	3.6	3	Cervical cancer	8.4
4	Non-Hodgkin's Lymphoma	2.8	4	Colon cancer	7.1
5	Bladder cancer	1.3	5	Pancreatic cancer	5.1

Source: US Center for Health Statistics, Death Certificates, 2010-2014

Table 6 summarizes the top causes of cancer mortality for both Al/AN and NHW women.



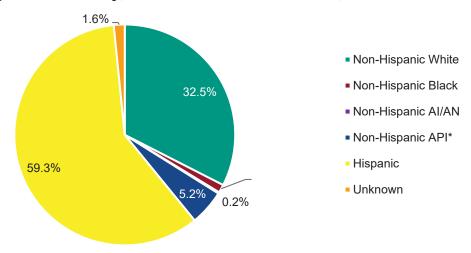
Introduction

Maternal and child health (MCH) is the foundation for healthy children, mothers, and families. Monitoring indicators such as maternal smoking, gestational diabetes, prenatal care, and premature births can help AIHS make decisions regarding programs that impact pregnant mothers, newborns, and infants. This section of the community health profile focuses on key indicators for MCH. The data can be used to further examine why these disparities exist and consider programs to eliminate these health disparities.

Total Births

From 2008 to 2012, there were a total of 95,525 births in the Santa Barbara service area. Among those births, 0.2% were identified as non-Hispanic Al/AN alone (Figure 15). The largest proportions of births among racial/ethnic groups were from Hispanic (59.3%) and NHW (32.5%) women. Non-Hispanic Asians and Pacific Islanders were approximately 5.2% of all births.

Figure 15. Births by Race/Ethnicity, Santa Barbara Service Area, 2008-2012



^{*}API-Asian/Pacific Islander

Age

In general, Al/AN women tend to give birth at younger ages than their NHW counterparts (Figure 16). 19.8% of births among Al/AN women in the Santa Barbara service area were to teenage women (19 years old or less) compared to 3.1% of NHW births. The proportion of births to teenage women was 6.4 times higher in Al/AN women, compared to NHWs. In addition, approximately 56.5% of all births among Al/AN women were to women in their 20s, compared to 43.6% among NHWs. Conversely, NHW women had more children in their 30s and 40s, compared to Al/AN women. Approximately 50.0% of all births among NHW women were to women in their 30s, whereas 21.7% births among Al/AN women were to women in their 30s.

56.5 60 48.2 50 43.6 Percent 40 30 19.8 21.7 20 10 5.1 3.1 2.0 0 <=19 years of age 20-29 years of age 30-39 years of age 40 plus years of age ■ AI/AN ■ Non-Hispanic White

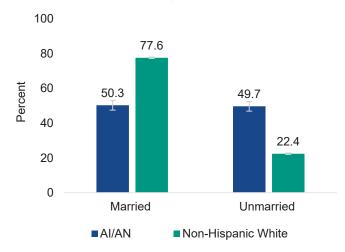
Figure 16. Births by Maternal Age Group, Santa Barbara Service Area, 2008-2012



Marital Status

50.3% of all births to Al/ANs in the Santa Barbara service area were to women who were married (Figure 17). This was significantly lower than NHW mothers in which 77.6% of births were to married mothers. The proportion of births to unmarried women was 2.2 times higher in Al/ANs, compared to their NHW counterparts.

Figure 17. Births by Marital Status, Santa Barbara Service Area, 2008-2012

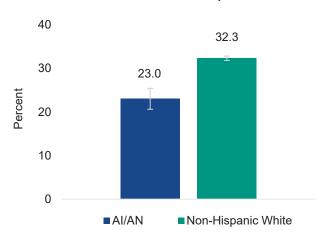


Source: National Vital Statistics, Birth Certificates, 2008-2012

Cesarean Section

In the Santa Barbara service area, approximately one third of births were delivered by cesarean section among NHW females. This was significantly higher than the proportion of deliveries by cesarean section among Al/AN births (23% Figure 18). The proportion of cesarean sections was 28.8% lower in Al/AN women, compared to NHW women.

Figure 18. Births by Cesarean Section, Santa Barbara Service Area, 2008-2012

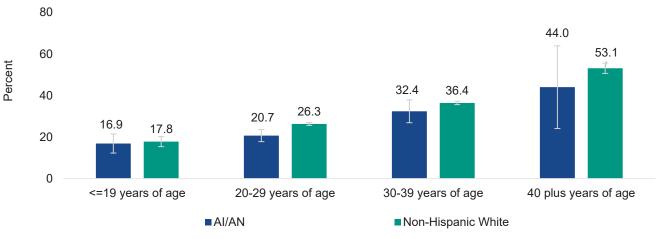




Cesarean Section by Maternal Age

The proportion of cesarean deliveries increased as maternal age increased for NHW and Al/AN women (Figure 19). Al/AN and NHW women in their 40s experienced the highest proportion of cesarean sections.

Figure 19. Cesarean Sections by Maternal Age Group, Santa Barbara Service Area, 2008-2012

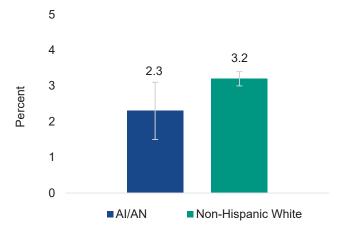


Source: National Vital Statistics, Birth Certificates, 2008-2012

Maternal Smoking

In the Santa Barbara service area, the proportion of women who smoked while pregnant was similar for both AI/AN and NHW women (Figure 20). 2.3% of AI/AN women smoked while pregnant, compared to 3.2% NHW women.

Figure 20. Maternal Smoking, Santa Barbara Service Area, 2008-2012



Prenatal Care

Prenatal care refers to the medical attention received by women before or during their pregnancy, specifically addressing the mother's well-being during her pregnancy and caring for the development of her baby.²⁵ The goal of prenatal care is to detect potential problems early on in the pregnancy and to prevent potential complications. Early prenatal care is a significant component in ensuring a good pregnancy outcome and it is recommended for women to begin prenatal care during the first trimester. Women who receive late or no prenatal care are at risk for having undetected complications during their pregnancy that can result in severe maternal morbidity and mortality, and serious consequences to the unborn infant including low birth weight, premature birth, morbidity and mortality.²⁶

Among pregnant women in the Santa Barbara service area, 40.0% of Al/AN women began prenatal care in the first trimester, compared to 86.6% of NHW women (Figure 21). The proportion of women beginning prenatal care in their first trimester was 2.2 times higher in NHW women, compared to Al/AN women. In addition, approximately 22.0% of pregnant Al/AN women began prenatal care in the third trimester or did not receive any prenatal care during their pregnancy, compared to 2.0% of pregnant NHW women. The proportion of women beginning prenatal care in their third trimester or receiving no prenatal care was 11 times higher in Al/AN women, compared to NHW women.

100 86.6 80 60 Percent 40.0 38.0 40 20.1 20 11.4 1.3 1.9 0.7 0 Second trimester First trimester Third trimester No prenatal care AI/AN ■ Non-Hispanic White

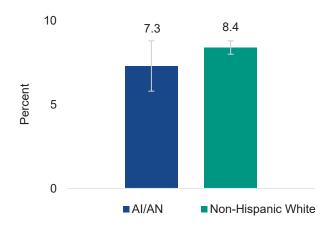
Figure 21. Prenatal Care by Trimester, Santa Barbara Service Area, 2008-2012

Premature Births

A premature birth is defined as childbirth occurring earlier than 37 completed weeks of pregnancy.²⁷ In the Santa Barbara service area, 8.4% of all infants born to NHW women were born prematurely, which is similar to the 7.3% of infants born prematurely to AI/AN women (Figure 22).

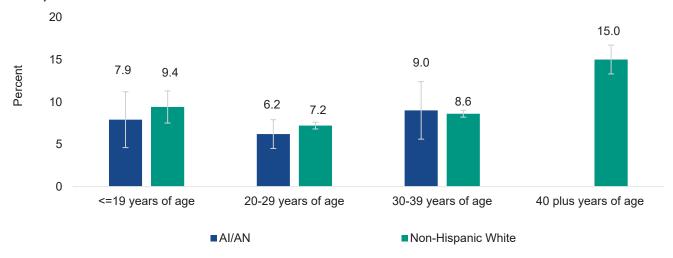
Patterns of premature births were similar for both NHW and Al/AN pregnant woman by age stratification (Figure 23). The proportion of premature births for Al/AN women appeared to be consistent across different maternal age groups.

Figure 22. Premature Births (<37 weeks), Santa Barbara Service Area, 2008-2012



Source: National Vital Statistics, Birth Certificates, 2008-2012

Figure 23. Premature Births (<37 weeks) by Maternal Age Group, Santa Barbara Service Area, 2008-2012

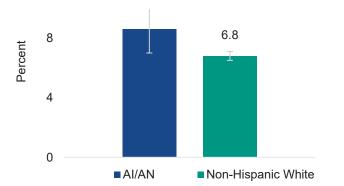


Neonatal Intensive Care Unit Admission

Most babies admitted to the neonatal intensive care unit (NICU) are premature, have low birth weight, or have a medical condition that requires special care.²⁸ In the U.S., nearly half a million babies are born prematurely, and many of these babies also have low birth weights. Babies with medical conditions such as heart problems, infections, or birth defects are also cared for in the NICU.²⁸ Admission to the NICU for newborns in the Santa Barbara service area was higher among AI/AN newborns than NHW newborns (Figure 24).

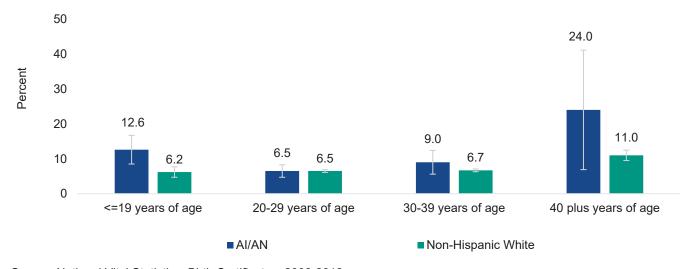
Figure 24. Newborns Admitted to the NICU, Santa Barbara Service Area, 2008-2012

12 Source: National Vital Statistics, Birth Certificates, 2008-2012



An estimated 8.6% of AI/AN newborns were admitted to the NICU, compared to 6.8% of NHW newborns. For mothers 19 years old and younger, the proportion of AI/AN newborns admitted to the NICU was significantly higher than the proportion of NHW newborns (Figure 25). There was no difference between other age groups.

Figure 25. Newborns Admitted to the NICU by Maternal Age group, Santa Barbara Service Area, 2008-2012



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APPENDIX

Glossary of Terms

ACS – American Community Survey

AI/AN - American Indian / Alaska Native

AIHS - American Indian Health and Services

IHS - Indian Health Service

MCH - Maternal and Child Health

NCHS - National Center for Health Statistics

NHW - Non-Hispanic White

NICU - Neonatal Intensive Care Unit

NVSS - National Vital Statistics System

SNAP – Supplemental Nutrition Assistance Program, commonly referred to as Food Stamps

TEC - Tribal Epidemiology Center

UIHI - Urban Indian Health Institute, a division of the Seattle Indian Health Board

UIHP - Urban Indian Health Program

APPENDIX

About Us – Our Mission & History

The mission of UIHI is to support the health and well-being of urban Indian communities through information, scientific inquiry, and technology.

The UIHI was established as a Division of the Seattle Indian Health Board, a community health center for urban American Indians and Alaska Natives (AI/ANs). The UIHI is one of 12 tribal epidemiology centers (TECs) funded by the Indian Health Service (IHS). While the other 11 TECs work with tribes regionally, the UIHI focuses on the nationwide urban AI/AN population. As a crucial component of the health care resources for all AI/ANs, tribal epidemiology centers are responsible for:

- Managing public health information systems
- Investigating diseases of concern
- Managing disease prevention and control programs
- Communicating vital health information and resources
- Responding to public health emergencies
- Coordinating these activities with other public health authorities

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