

HISPANIC/LATINE SAN DIEGANS COMMUNITY SNAPSHOT

COMMUNITY OUTREACH & ENGAGEMENT
MOORES CANCER CENTER AT UC SAN DIEGO HEALTH



POPULATION

In 2021, San Diego County had a total population of 3.3 million, with Hispanic/Latine individuals making up 34.3% of the county's total population [1]. This makes H/Ls the second largest race/ethnicity group in San Diego County. The South Region has the largest H/L presence at 62.1% (Chula Vista, National City, Imperial Beach) [1], followed by Vista, Escondido, and Lemon Grove.

INCOME

Per capita income among Hispanic/Latine individuals is \$30,271, which is lower than the county's average \$48,258. Between 2015 to 2019 the median household income for H/Ls living in San Diego County was \$59,850, much lower than the median household income for San Diego County \$78,980 [2].

HEALTH INSURANCE

In 2020, 18.3% of Hispanic/Latine individuals were without health insurance coverage, which was the highest of uninsured rates among all race and ethnic groups in the United States [4]. In 2022, 85.7% of H/Ls in San Diego County were insured and 14.3% were uninsured [3]. In San Diego County, H/Ls were the second group with the highest uninsured rates.

POVERTY AND UNEMPLOYMENT

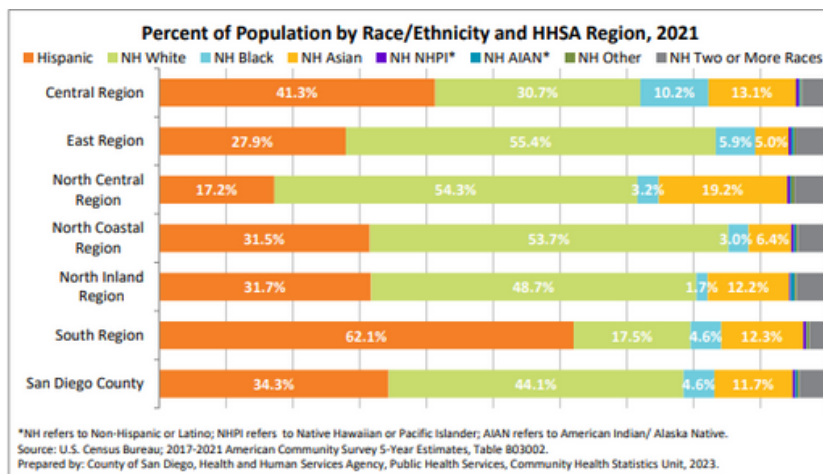
12.7% Hispanic/Latine individuals in San Diego County are in poverty, compared to the overall H/Ls poverty rate of 16.8% in the US [5]. The unemployment rate of H/Ls in San Diego County is 5.6%, which is higher than the H/L unemployment rate of 5.5% in the US [6].

OCCUPATION

According to the U.S. Bureau of Labor and Statistics in 2022, 22.9% of Hispanic/Latine individuals worked in service occupations. Among employed men, H/Ls were more likely to work in the construction industry (11.6%) than were whites (6%), Blacks (3.0%), or Asians (1.3%) [7].

EDUCATION

In 2022, 72.5% of Hispanic/Latine individuals in San Diego County had a at least a high school degree or higher and 19.4% hold a Bachelor's degree [8].



CANCER TRENDS IN H/L

Compared to non-Hispanic white (NHW) individuals, Hispanic/Latine people in the continental US and Hawaii have lower rates of the four most common cancers (female breast, colorectal, lung, and prostate), but higher rates of infection-related cancers like stomach, liver, cervical, and gallbladder cancer. However, there is a large variation within this aggregated group by country of origin and nativity, with risk among long-term residents and descendants of Hispanic immigrants approaching or surpassing that of NHWs for some cancer types due to acculturation [10].

Estimated New Cases*

Males		Females	
Prostate	17,600 22%	Breast	28,100 29%
Colon & rectum	9,000 11%	Uterine corpus	7,900 8%
Lung & bronchus	6,000 7%	Colon & rectum	7,500 8%
Kidney & renal pelvis	5,900 7%	Thyroid	6,300 7%
Liver & intrahepatic bile duct	4,800 6%	Lung & bronchus	5,800 6%
Non-Hodgkin lymphoma	4,700 6%	Non-Hodgkin lymphoma	4,200 4%
Leukemia	3,700 5%	Kidney & renal pelvis	3,800 4%
Urinary bladder	3,300 4%	Leukemia	2,900 3%
Pancreas	2,800 3%	Pancreas	2,900 3%
Oral cavity & pharynx	2,500 3%	Uterine cervix	2,700 3%
All sites	80,200 100%	All sites	96,400 100%

Estimated Deaths

Males		Females	
Lung & bronchus	3,200 13%	Breast	3,100 14%
Colon & rectum	2,700 11%	Lung & bronchus	2,300 10%
Liver & intrahepatic bile duct	2,600 11%	Colon & rectum	2,000 9%
Prostate	2,400 10%	Pancreas	1,900 8%
Pancreas	1,900 8%	Liver & intrahepatic bile duct	1,500 7%
Stomach	1,200 5%	Ovary	1,200 5%
Leukemia	1,000 4%	Uterine corpus	1,200 5%
Non-Hodgkin lymphoma	1,000 4%	Stomach	1,000 4%
Kidney & renal pelvis	800 3%	Leukemia	800 4%
Brain & other nervous system	800 3%	Non-Hodgkin lymphoma	800 4%
All sites	23,800 100%	All sites	22,700 100%

Leading Sites of New Cancer Cases and Deaths Among the US Hispanic Population—2021 Estimates. *Estimates are rounded to the nearest 100 and exclude basal and squamous cell skin cancers and in situ carcinoma except urinary bladder. Estimates exclude Puerto Rico. Rankings are based on modeled projections and may differ from the most recent observed data. CA: A Cancer Journal for Clinicians, First published: 21 September 2021, DOI: (10.3322/caac.21695)

BREAST

Overall, breast cancer mortality (per 100,000) by region in San Diego was highest in La Mesa (62.9), Spring Valley (35.1), Santee (33.8) National City (33.3), and Elliott-Navajo (33.2) and lowest in Vista (13.1), Sweetwater (16.3), Central San Diego (16.9), Southeastern San Diego (18.4), Chula Vista (18.5) [9].

H/L women are less likely than NHW women to be diagnosed with breast cancer at a localized stage (59% vs 67%), likely because of lower mammography utilization and delayed follow-up after an abnormal mammogram. Hispanic women also are more likely than NHW women to be diagnosed with higher grade and hormone receptor-negative tumors [10].

LUNG

In lung cancer, age-adjusted mortality rates in San Diego were highest for Coronado (48.6), Lakeside (47.6), Pauma (46.8), Fallbrook (46.7), and Harbison Crest (42.9) and lowest for National City (11.5), San Dieguito (15.6), University (15.8), Coastal (19.5), and North San Diego (21.9) [9].

Among H/L individuals, lung cancer is the leading cause of cancer death in men and the second leading cause in women; however, compared with NHWs, lung cancer incidence and death rates are approximately 50% lower in men and 65% lower in women, reflecting historic differences in smoking [10].



CANCER SITES WITH HIGHER RATES FOR THE US HISPANIC/LATINE POPULATION

Acute lymphocytic leukemia (ALL)
Gallbladder
Liver and intrahepatic bile duct
Stomach (gastric)
Uterine cervix



Dig into more data
moores.healthdat.org



PROSTATE

Male mortality rates for prostate (per 100,000) in SD were highest for Jamul (57.7), Valley Center (41.0), Spring Valley (39.9), Fallbrook (34.2), and Santee (32.6) and lowest for South Bay (9.9), Mid-City (10.5), Central San Diego (12.9), North San Diego (14.0), and Chula Vista (14.1) [9].

Hispanic men have incidence and mortality rates that are 15% and 12% lower than those in NHWs, respectively. Prostate cancer death rates have declined 37% among Hispanic men since the mid-1990s and have leveled off. Most prostate cancers are diagnosed at an early stage, although Hispanic men are less likely than NHW men to be diagnosed with localized stage disease (66% vs 72%) [10].

COLORECTAL

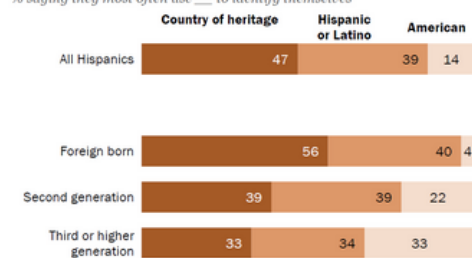
Overall age-adjusted CRC mortality rates were highest in Spring Valley (20.5), La Mesa (20.2), El Cajon (20.0), Vista (19.6), and Chula Vista (18.7) and lowest in San Dieguito (7.8), Poway (8.4), North San Diego (8.5), Peninsula (9.6), and Oceanside (10.1) [9].

CRC incidence rates among H/L men and women are approximately 5% to 12% lower than those among NHWs, respectively, and death rates are 13% to 25% lower, respectively. However, the rates vary substantially between H/L groups and may be similar to or higher than those in NHWs among some US-born H/L individuals [10].

HISPANIC, LATINE, LATINO, AMERICAN

The terms Latinos use to describe their identity differ across immigrant generations

% saying they most often use ___ to identify themselves



Note: Foreign born includes those born in Puerto Rico. Second generation refers to those born in the 50 states or District of Columbia to at least one foreign-born parent. Third generation refers to those born in the 50 states or D.C. to parents who are also U.S. born. No answer responses not shown.

Source: National Survey of Latinos conducted Dec. 3-23, 2019.

PEW RESEARCH CENTER

REFERENCES

- 2017-2021 San Diego County Demographic Profiles
- U.S. Census Bureau. 2015-2019. American Community Survey 5-year estimates: Report Median Household Income.
- U.S. Census Bureau 2022. American Community Survey: Report Selected Characteristics of Health Insurance Coverage.
- U.S. Census Bureau: Health Insurance Coverage in the United States: 2020: Current Population Reports By Katherine Keisler-Starkey and Lisa N. Bunch. Sept 2021
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Report Poverty Status in the Past 12 months
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Employment Status in San Diego vs U.S.
- U.S. Bureau Labor Statistics
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Educational Attainment in San Diego
- 2019 Community Health Needs Assessment: Health Brief - Hospital Association of San Diego and Imperial Counties
- Miller KD, Ortiz AP, et al. Cancer Statistics for the US Hispanic/Latino Population, 2021. CA: A Cancer Journal for Clinicians. First published: 21 September 2021. DOI: 10.3322/caac.21695.
- Pew Research Center: The ways Hispanics describe their identity vary across immigrant generations. Sept 24 2020

LIVER

For liver cancer, age-adjusted mortality rates were highest for National City (13.8), South Bay (13.7), Lemon Grove (13.6), Southeastern San Diego (12.0), and Oceanside (11.9) and lowest for Del Mar-Mira Mesa (3.2), North San Diego (4.7), Carlsbad (5.0), Coastal (5.2), Harbison Crest-El Cajon (5.4) [9].

Incidence rates in H/L men and women are double those in NHWs, similar to non-white racial and ethnic groups in the US. Notably, the risk of liver cancer in US-born H/L men is double that in foreign-born men. For example, liver cancer death rates in California among US-born Mexican men were 21.6 per 100,000 during 2008 through 2012, versus 11.8 per 100,000 among foreign-born Mexican men [10].

CERVICAL

Hispanic/Latine women have among the highest incidence of cervical cancer in the US compared with other major racial/ethnic groups, with rates 32% higher than those in NHWs. Variation in rates between H/L groups may in part reflect differences in background rates in immigrant countries of origin, as well as differences in access to and uptake of cervical cancer screening [10].





AFRICAN AMERICAN/ BLACK SAN DIEGANS

COMMUNITY SNAPSHOT

COMMUNITY OUTREACH & ENGAGEMENT
MOORES CANCER CENTER AT UC SAN DIEGO HEALTH

POPULATION

In 2021, San Diego County had a total population of 3.3 million. Among the non-Hispanic population, 4.6% (151,278) were Black. The central region of San Diego County had the largest African American/Black presence with 10.2% - cities include Lemon Grove, La Mesa, San Diego, and El Cajon. [1]

INCOME

Per capita income among African American individuals was \$37,335 [2]. Between 2015 and 2019, the median household income for African American individuals living in San Diego County was \$55,842 [3]. This was lower than the median income of \$78,980 for all households in San Diego County [3].

OCCUPATION

According to the U.S. Bureau of Labor and Statistics in 2022, 35% of AA/Bs worked in management/professional occupations. Blacks made up 12.6% of all employed workers, but accounted for more than 25% of those in specific occupations: nursing, psychiatric, and home health aides (32.5%); security guards/gaming surveillance officers (34.5%); and licensed practical/licensed vocational nurses (29.1%). [4].

POVERTY AND UNEMPLOYMENT

15.5% of all African Americans/Blacks in San Diego County are in poverty, compared to the 21.3% in the US [5]. The unemployment rate of AA/Bs in San Diego County is 4.9%, which is lower than the AA/B unemployment rate of 7.6% in the US [12].

HEALTH INSURANCE

In San Diego County, 7.3% of men were uninsured, and 5.6% of women were uninsured in 2022. Among the non-Hispanic population, 10.1% of African Americans were uninsured, compared to 5.1% in California [8].

EDUCATION

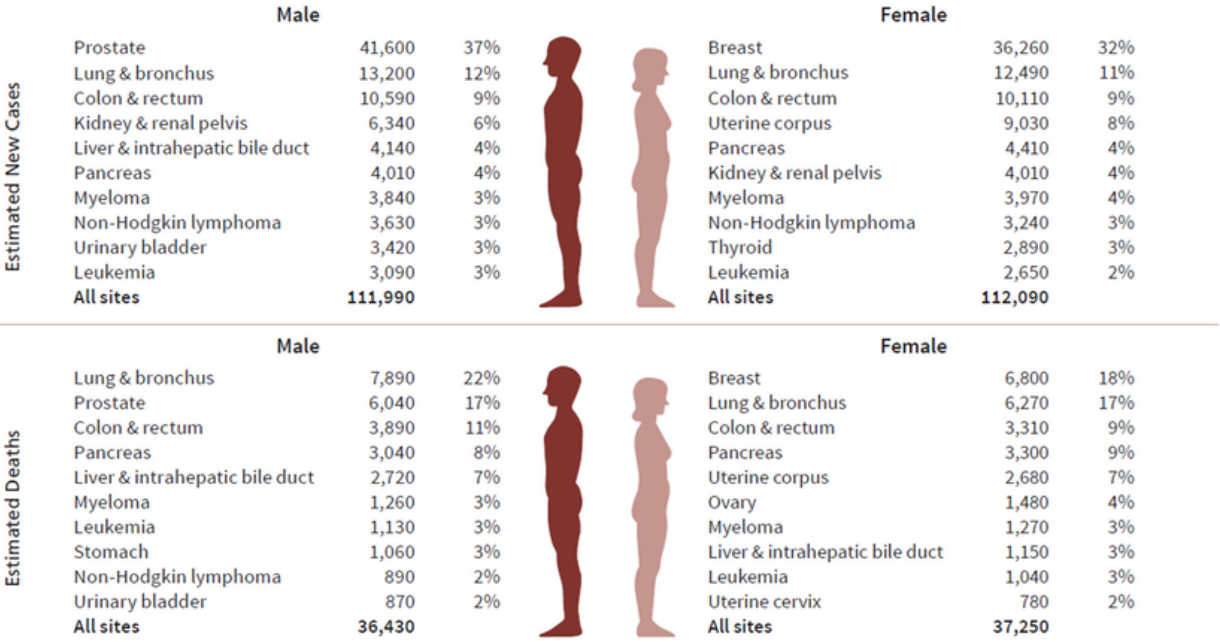
92% of Blacks ages 25 and older in San Diego County have a at least a high school degree or higher and 27% hold a Bachelor's degree [6]. In the US, 88% have graduated from high school or higher and about a quarter (26%) have a bachelor's degree or more [7].

FOREIGN-BORN PERSONS FROM AFRICA

Foreign-born persons from the continent of Africa have contributed most significantly to the growth in the foreign-born population in the City of San Diego. Over the past five years, the foreign-born population from the continent of Africa has grown by 53.8%. In contrast, during the same period, the foreign-born population in the City of San Diego from Latin America and Asia grew by 3.9% and 6.9%, respectively. Some of the fastest growing foreign-born populations come from Kenya, Sudan, and Nigeria. The foreign-born Black/African-American population accounts for 15.1% of the entire non-Hispanic Black/African-American population [9].

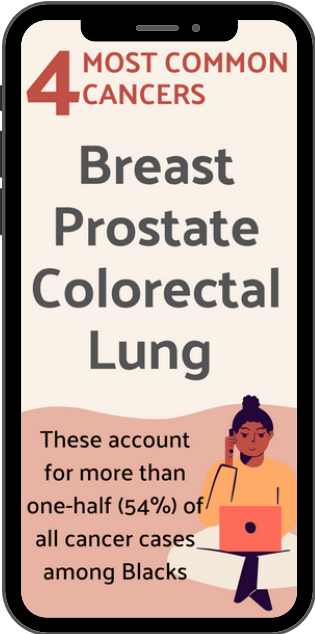
CANCER TRENDS IN THE BLACK COMMUNITY

The most commonly diagnosed cancers in Black men is prostate cancer and breast cancer in Black women, each accounting for nearly one-third of cancers diagnosed in each sex. Cancers of the lung and colorectal are the second and third most commonly diagnosed cancers, respectively, in both Black men and women. The largest disparities are for cancers of the stomach, prostate, uterine corpus, and myeloma, for which death rates among Blacks are about twice as high as those among whites. Despite lower or similar incidence rates in Black women for cancers of breast and uterine corpus (unadjusted), death rates were 41% and 97% higher, respectively, than those in White women [10].



Leading Sites of New Cancer Cases and Deaths Among Black People, United States: 2022 Estimates. Ranking is based on modeled projections and may differ from the most recent observed data. Estimates are rounded to the nearest 10 and exclude basal and squamous cell skin cancers and in situ carcinoma with the exception of urinary bladder.

Leading Sites of New Cancer Cases and Deaths Among Blacks, United States, 2022 Estimates. Estimates are rounded to the nearest 10 and exclude basal cell and squamous cell skin cancers and in situ carcinoma, except urinary bladder. Ranking is based on modeled projections and may differ from the most recent observed data. CA: A Cancer Journal for Clinicians, Volume: 72, Issue: 3, Pages: 202-229, First published: 10 February 2022, DOI: (10.3322/caac.21718)



Dig into more data
moores.healthdat.org



BREAST

Overall, breast cancer mortality (per 100,000) by region in San Diego: Female mortality rates were highest in La Mesa (62.9), Spring Valley (35.1), Santee (33.8) National City (33.3), and Elliott-Navajo (33.2) and lowest Vista (13.1), Sweetwater (16.3), Central San Diego (16.9), Southeastern San Diego (18.4), Chula Vista (18.5) [11].

Breast cancer death rates remain 41% higher in Black women than in white women likely from a combination of factors: more advanced stage at diagnosis, higher prevalence of obesity and other comorbidities, and unfavorable tumor characteristics (eg, triple-negative, inflammatory carcinoma, higher grade), and less access and adherence to high-quality cancer treatment [10].

CERVICAL

The incidence rate of cervical cancer is 22% higher in Black women than in white women with the largest disparity among older women. The overall 5-year relative survival rate for cervical cancer among Black women is 56%, compared with 67% among white women, partly because Black women are more likely to be diagnosed with regional-stage or distant-stage disease. Racial differences in stage at diagnosis may be because of differences in the quality of screening and follow-up after abnormal results, and less screening. Cervical cancer mortality rates are 65% higher in Black women than white women, with an even larger disparity with hysterectomy correction. Black women have lower survival than white women for every stage of diagnosis likely due to the disparities in access to care and quality of treatment [10].



PROSTATE

Male mortality rates for prostate (per 100,000) in SD were highest for Jamul (57.7), Valley Center (41.0), Spring Valley (39.9), Fallbrook (34.2), and Santee (32.6) and lowest for South Bay (9.9), Mid-City (10.5), Central San Diego (12.9), North San Diego (14.0), and Chula Vista (14.1) [11].

Prostate cancer is the most commonly diagnosed cancer among Black men and the second-leading cause of cancer death. From 2014 to 2018, the average annual prostate cancer incidence rate was 73% higher than the rate in white men. The strongest known risk factors for prostate cancer are older age; African ancestry; a family history of the disease; and certain inherited genetic conditions, including mutations in BRCA1 and BRCA2 and Lynch syndrome [10].

LUNG

In lung cancer, age-adjusted mortality rates in San Diego were highest for Coronado (48.6), Lakeside (47.6), Pauma (46.8), Fallbrook (46.7), and Harbison Crest (42.9) and lowest for National City (11.5), San Dieguito (15.6), University (15.8), Coastal (19.5), and North San Diego (21.9) [11].

Black men have the highest lung cancer death rate of any racial or ethnic group. Although lung cancer rates are 15% higher in Black men than in white men, the reverse is true for women (rates are 15% lower in Black women), reflecting racial and sex differences in historic smoking patterns [10].

COLORECTAL

Overall age-adjusted CRC mortality rates were highest in Spring Valley (20.5), La Mesa (20.2), El Cajon (20.0), Vista (19.6), and Chula Vista (18.7) and lowest in San Dieguito (7.8), Poway (8.4), North San Diego (8.5), Peninsula (9.6), and Oceanside (10.1) [11].

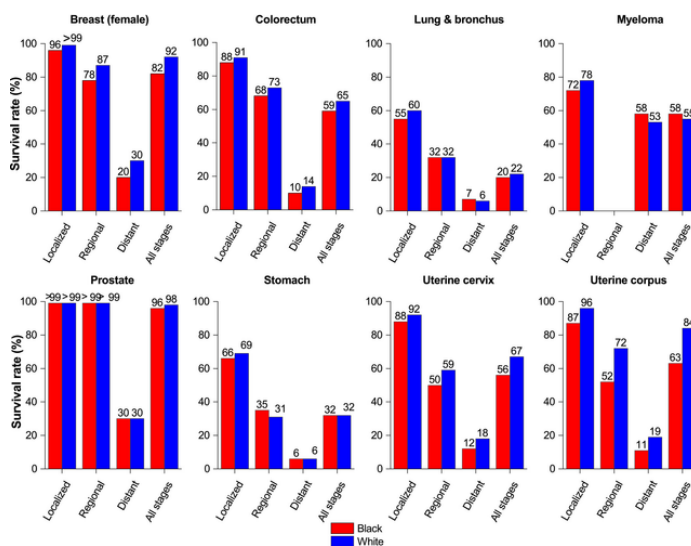
Blacks have the second highest CRC incidence rates in the US following American Indians and Alaska Natives. Compared with White men and women, incidence rates are 21% higher in Black men and 18% higher in Black women. The increased risk of CRC among Blacks may result from a higher prevalence of obesity and physical inactivity. In addition, CRC screening has historically lagged behind in Blacks compared with whites and remains slightly lower. In 2018, 65% of Blacks aged 50 years and older were up to date on guideline-recommended CRC screening, compared with 68% of whites [10].

SURVIVAL RATES

The 5-year relative survival rate is lower in Blacks than in whites for every stage of diagnosis for most cancer sites. This is mostly caused by socioeconomic differences that influence access to timely, high-quality cancer prevention, detection, and treatment. As a result, Blacks are more likely to be diagnosed at a later stage of disease [10].

REFERENCES

- 2021 San Diego County Demographic Profiles
- U.S. Census Bureau. American Community Survey 1-Year estimates, 2022: Report of Income of Blacks in San Diego County & California
- U.S. Census Bureau. American Community Survey 1-Year estimates, 2019: Report of Household Income - 2015-2019
- U.S. Bureau Labor Statistics
- U.S. Census Bureau. American Community Survey 1-Year estimates, 2022: Report of African Americans/Blacks Income & Poverty
- Town Charts: San Diego Education - Fje12: SD County_Detailed Education Attainment Breakout by Race (Age 25+)
- Pew Research Center: Facts About the US Black Population
- U.S. Census Bureau. American Community Survey 1-Year estimates, 2019: Report of Percent Insurance in San Diego County
- Immigrant Integration in the City of San Diego, June 29, 2020; Tom K. Wong, PhD; Mikayla Sanchez
- DeSantis CE, Miller KD, et al. Cancer Statistics for African Americans, 2022. CA: A Cancer Journal for Clinicians. Volume: 72, Issue: 3, Pages: 202-229, First published: 10 February 2022, DOI: (10.3322/caac.21718)
- 2019 Community Health Needs Assessment: Health Brief - Hospital Association of San Diego and Imperial Counties
- U.S. Census Bureau. American Community Survey 1-Year estimates, 2022: Employment Status in San Diego vs U.S



Five-year Relative Survival Rates for Selected Cancers by Race and Stage at Diagnosis, United States, 2011 to 2017. CA: A Cancer Journal for Clinicians, Volume: 72, Issue: 3, Pages: 202-229, First published: 10 February 2022, DOI: (10.3322/caac.21718)



ASIAN & PACIFIC ISLANDERS IN SAN DIEGO COMMUNITY SNAPSHOT

COMMUNITY OUTREACH & ENGAGEMENT
MOORES CANCER CENTER AT UC SAN DIEGO HEALTH



POPULATION

In 2021, San Diego County had a total population of 3.3 million, with Asian, Native Hawaiians & Pacific Islanders making 11.7% of the county's total population [1]. The North Central Region had the largest overall API presence (19.2%). Among the API population in San Diego County in 2021, Filipino, Chinese (except Taiwanese), and Vietnamese were the most populous communities [1].

POVERTY AND UNEMPLOYMENT

8.8% Asians and 14.6% Native Hawaiian/Pacific Islanders in San Diego County are in poverty, compared to the overall poverty rate of 10.1% and 17.6% in the US, for Asians and NH/PI respectively [5]. In 2019, the unemployment rate of Asians in San Diego County was 3.9% and 8.9% for NH/PIs, which was higher than the unemployment rate of 3.5% and 6.6% in the US for Asians and NH/PI respectively [6].

EDUCATION

In 2022, 90.9% of Asians and 81.4% NH/PI in San Diego County had a at least a high school degree or higher, and 56.6% and 12.7% hold a Bachelor's degree or higher, respectively [8].

INCOME

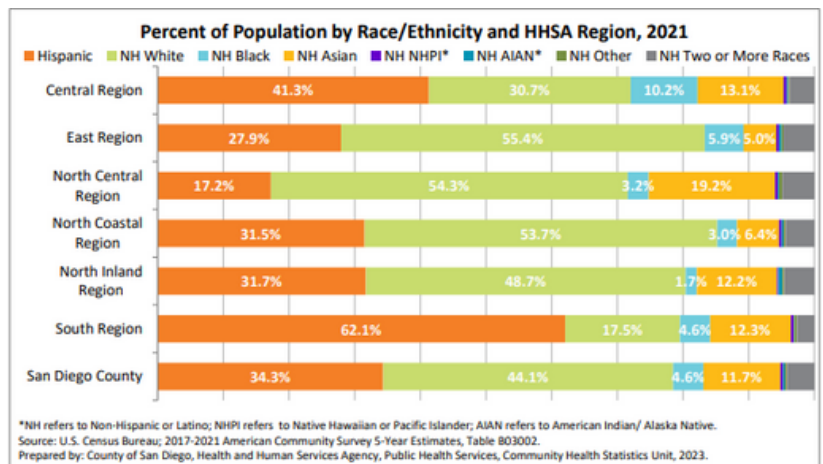
Between 2015 to 2019 the median household income for Asians living in San Diego County was \$96,858, higher than the median household income for San Diego County \$78,980, where as Native Hawaiians/Pacific Islander's median household income was \$69,591 [2].

HEALTH INSURANCE

In 2022, 96.4% of Asians and 94.1% of Native Hawaiians/Pacific Islanders in San Diego County had health insurance, higher than the county's 92% average insured rate [3]. In the United States, 3.6% of Asians were without health insurance coverage, compared to 6.4% uninsured in San Diego County [4].

OCCUPATION

According to the U.S. Bureau of Labor and Statistics in 2022, more Asians worked in management, professional, and related occupations (58.0%), compared to whites (43.4%), Blacks (35%), or Hispanic/Latinos (25.3%) [7].

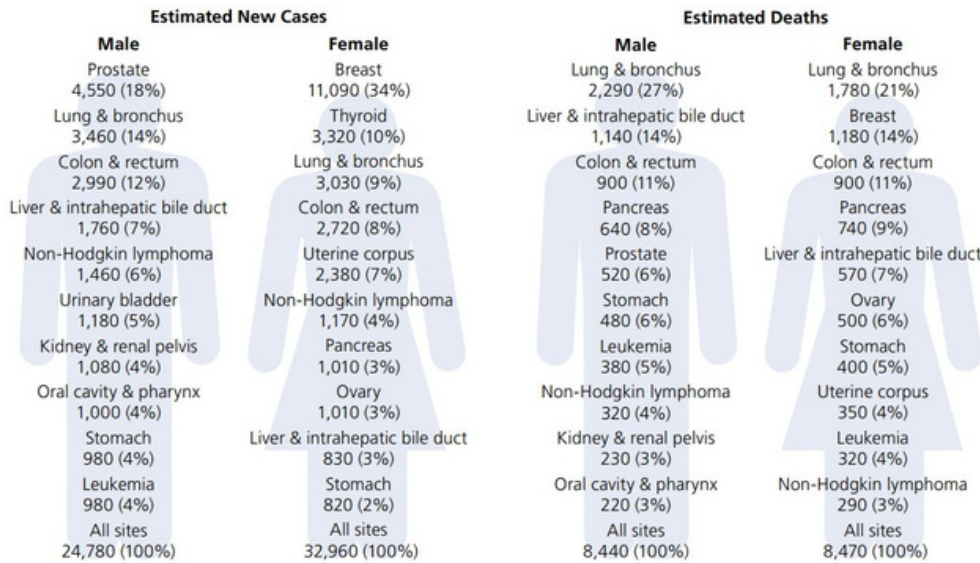


CANCER TRENDS IN ASIAN AMERICANS/ NATIVE HAWAIIANS/ PACIFIC ISLANDERS (AANHPI)

Cancer patterns in APIs are more similar to Hispanics than NHWs, with lower rates for the most common cancers and higher rates for cancers associated with infectious agents. However, cancer rates within the API population vary by immigration history, origin, acculturation, and socioeconomic status. There is substantial variation in cancer occurrence among API subgroups. For both males and females, Samoans and Native Hawaiians have the highest overall cancer incidence rates, while Asian Indians and Pakistanis (grouped together) and Cambodians have the lowest rates [9].



Dig into more data moores.healthdat.org



AANHPI = Asian American, Native Hawaiian, and Pacific Islander. Estimates are rounded to the nearest 10, and cases exclude basal cell and squamous cell skin cancers and in situ carcinoma except urinary bladder.

©2016, American Cancer Society, Inc., Surveillance Research

Leading Sites of New Cancer Cases and Deaths Among AANHPIs, United States, 2016 Estimates. Estimates are rounded to the nearest 10 and exclude basal cell and squamous cell skin cancers and in situ carcinoma, except urinary bladder. Ranking is based on modeled projections and may differ from the most recent observed data. [CA A Cancer J Clinicians, Volume: 66, Issue: 3, Pages: 182-202, First published: 14 January 2016, DOI: \(10.3322/caac.21335\).](#)

BREAST

In general, breast cancer mortality (per 100,000) by region in San Diego: Female mortality rates were highest in La Mesa (62.9), Spring Valley (35.1), Santee (33.8) National City (33.3), and Elliott-Navajo (33.2) and lowest Vista (13.1), Sweetwater (16.3), Central San Diego (16.9), Southeastern San Diego (18.4), Chula Vista (18.5) [10].

Invasive breast cancer is the most commonly diagnosed cancer and the 2nd leading cause of cancer death among AANHPI women. There is substantial variation in breast cancer incidence rates within the AANHPI population, ranging from 35.0 (per 100,000) in Cambodian women to 135.9 in Native Hawaiian women. Higher rates among those with a longer immigration history, such as Japanese (105.4) and Filipinos (100.2), are thought to be related to the adoption of western behaviors that increase breast cancer [9].

LUNG

In lung cancer, age-adjusted mortality rates in San Diego were highest for Coronado (48.6), Lakeside (47.6), Pauma (46.8), Fallbrook (46.7), and Harbison Crest (42.9) and lowest for National City (11.5), San Dieguito (15.6), University (15.8), Coastal (19.5), and North San Diego (21.9) [10].

In the U.S., the highest lung cancer incidence rate in men is among Samoans (98.9 per 100,000), followed by Native Hawaiians (72.1), and Vietnamese (62.7); Asian Indians/Pakistanis have the lowest rate (21.1). Among women, Native Hawaiians (44.0) and Samoans (41.8) have the highest rates, and Asian Indians/Pakistanis (10.2) have the lowest. AANHPIs are more likely than NHWs to be diagnosed with lung cancer at a distant stage of disease; however, 5-year cause-specific survival is similar between the two groups [9].



CANCER SITES WITH HIGHER RATES FOR THE U.S. API POPULATION

Stomach (gastric)

Liver and intrahepatic bile duct

Uterine cervix

Nasopharyngeal

PROSTATE

Male mortality rates for prostate (per 100,000) in SD were highest for Jamul (57.7), Valley Center (41.0), Spring Valley (39.9), Fallbrook (34.2), and Santee (32.6) and lowest for South Bay (9.9), Mid-City (10.5), Central San Diego (12.9), North San Diego (14.0), and Chula Vista (14.1) [10].

Prostate cancer is the most commonly diagnosed cancer and the fifth-leading cause of cancer death among AANHPI men. Incidence and mortality rates in AANHPIs are 50% lower than those in NHWs. However, incidence varies 3-fold among AANHPI subgroups, with rates (per 100,000) of about 30 among Cambodians and Laotians; 45 to 70 among Vietnamese, Koreans, Asian Indians/Pakistanis, and Chinese; and 100 or more among Japanese, Filipinos, Native Hawaiians, and Samoans [9].

STOMACH

Stomach cancer incidence and death rates are about twice as high in AANHPIs as in NHWs. Incidence is particularly high among Koreans, who have rates roughly twice as high as those among Japanese, who have the second highest rates. AANHPIs are more likely than NHWs to be diagnosed with stomach cancer at a localized or regional stage, possibly because of awareness of the higher risk of stomach cancer among Asian Americans and/or screening recommendations by some medical societies [9].

COLORECTAL

Overall age-adjusted CRC mortality rates were highest in Spring Valley (20.5), La Mesa (20.2), El Cajon (20.0), Vista (19.6), and Chula Vista (18.7) and lowest in San Dieguito (7.8), Poway (8.4), North San Diego (8.5), Peninsula (9.6), and Oceanside (10.1) [10].

Nationally, incidence and death rates among AANHPIs are 20% and 30% lower, respectively, compared with those among NHWs. Among AANHPI subgroups, CRC incidence rates are lowest in Asian Indians/Pakistanis (19.3 for males & 15.1 for females per 100,000 and highest in Japanese (62.2 for males & 39.4 for females). For Chinese men, incidence rates are 39.1 and 31.8 for women; and in Filipino men, 46.6, and 29.2 for women [9].

LIVER

Age-adjusted mortality rates were highest for National City (13.8), South Bay (13.7), Lemon Grove (13.6), Southeastern San Diego (12.0), and Oceanside (11.9) and lowest for Del Mar-Mira Mesa (3.2), North San Diego (4.7), Carlsbad (5.0), Coastal (5.2), Harbison Crest-El Cajon (5.4) [10].

In the U.S., liver cancer is the second-leading cause of cancer death among AANHPI men and the fifth-leading cause of cancer death among AANHPI women. Incidence and death rates among AANHPIs are about twice as high as those in NHWs.

Rates are particularly elevated in Laotians, Vietnamese, and Cambodians, likely because of recent immigration and a high prevalence of HBV infection in their countries of origin. AANHPIs are more likely than NHWs to be diagnosed with liver cancer at a localized stage, and also have higher 5-year survival rates [9].

CERVICAL

Despite lower cervical cancer incidence in AANHPIs overall than in NHWs, rates per 100,000 are twice as high in Cambodians (12.7) as in NHWs (6.8) and are 40% higher among Vietnamese women (9.5). Incidence rates are lowest among Chinese (4.5) and Asian Indian/Pakistani (4.2) women. Cervical cancer disparities among Asian American women are related primarily to access to screening as well as prevalence of HPV infection in the country of origin [9].

REFERENCES

1. 2017-2021 San Diego County Demographic Profiles
2. U.S. Census Bureau. Median Household Income: 2015-2019
3. U.S. Census Bureau. American Community Survey 1-Year estimates. 2022 Report of Percent Insurance in San Diego County.
4. Katherine Keisler-Starkey and Lisa N. Bunch. U.S. Census Bureau Current Population Reports. P60-271. Health Insurance Coverage in the United States: 2022. U.S. Government Publishing. Office. Washington, DC. 2020
5. U.S. Census Bureau. American Community Survey 1-Year estimates. 2022. Income & Poverty San Diego County and U.S.
6. U.S. Census Bureau. American Community Survey 1-Year estimates. 2022. Employment Status San Diego County and U.S.
7. U.S. Bureau Labor Statistics
8. U.S. Census Bureau. American Community Survey 1-Year estimates. 2022. Educational Attainment San Diego County and U.S.
9. Torre J.A., Sauer, A.M.G., Chen, M.S. Jr, Kasawa-Singer, M., Jemal, A. and Siegel, R.L. (2016). Cancer statistics for Asian Americans, Native Hawaiians and Pacific Islanders 2016: Converging incidence in males and females. *CA: A Cancer Journal for Clinicians*, 66: 182-202. <https://doi.org/10.3322/caac.21335>
10. 2019 Community Health Needs Assessment Health Brief - Hospital Association of San Diego and Imperial Counties



NATIVE AMERICANS IN SAN DIEGO

COMMUNITY SNAPSHOT

COMMUNITY OUTREACH & ENGAGEMENT

MOORES CANCER CENTER AT UC SAN DIEGO HEALTH



POPULATION

In 2021, San Diego County had a total population of 3.3 million, with American Indian/Alaska Native (AIAN) individuals making up 0.3% of the county's total population [1]. The north inland region has the largest American Indian/Alaska Native presence at 0.6% (Anza-Borrego Springs, Escondido, Fallbrook, North San Diego, Palomar-Julian, Pauma, Poway, Ramona, San Marcos, and Valley Center) [1].

HEALTH INSURANCE

In 2022, 84.3% of American Indian/Alaska Natives in San Diego County were insured and 15.7% were uninsured [3]. This is much higher than the national average of 8.0% uninsured rate. In San Diego County, American Indian/Alaska Natives have the highest uninsured rates.

EDUCATION

In 2022, 87.5% of American Indian/Alaska Native individuals in San Diego County have at least a high school degree or higher and 32.5% hold a Bachelor's degree [7].

INCOME

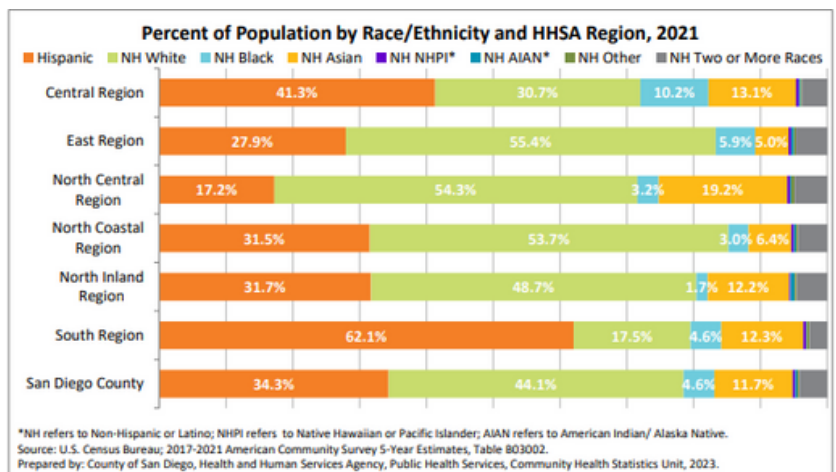
Per capita income among American Indian/Alaska Native individuals is \$38,300, which is lower than the county's average of \$48,258 [4]. Between 2015 to 2019 the median household income for American Indian/Alaska Native living in San Diego County was \$56,682, much lower than the median household income for San Diego County \$78,980 [2].

POVERTY AND UNEMPLOYMENT

18.1% of American Indians/Alaskan Native individuals in San Diego County are in poverty, compared to the overall Indian/Alaskan Native poverty rate of 21.7% in the US [4]. The unemployment rate of American Indians/Alaskan Natives in San Diego County is 5.3%, which is lower than the American Indians/Alaskan Native unemployment rate of 6.6% in the US [5].

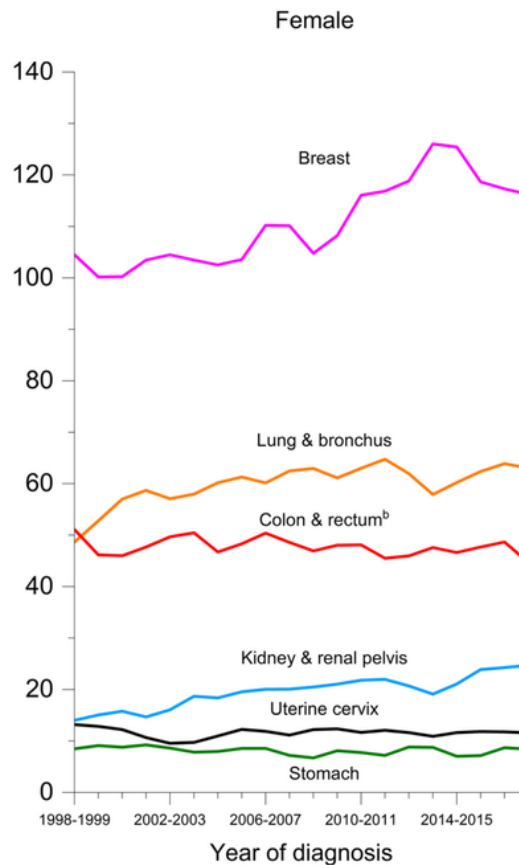
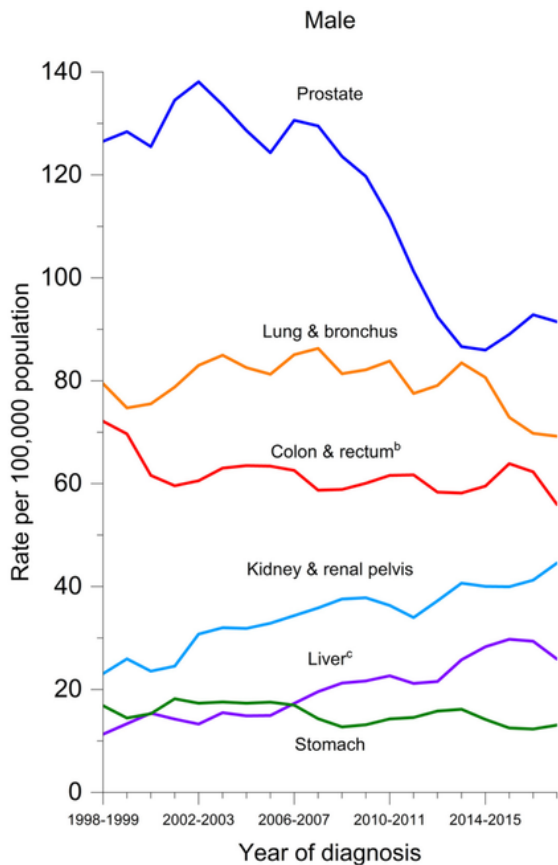
OCCUPATION

According to the U.S. Bureau of Labor and Statistics in 2018, 25.4% of AIAN individuals worked in management, professional, and related occupations. American Indian/Alaska Native men were more likely to be in the labor force (65.6%) than women (55.3%) [6].



CANCER TRENDS IN NATIVE AMERICANS

American Indian/Alaska Native individuals have a 2% greater incidence of cancer compared to White individuals as well as an 18% higher mortality rate. American Indian/Alaska Native cancer rates are the highest for infection-related cancers (liver, stomach, and cervix), kidney cancer, and colorectal cancer. Death rates for infection-related cancers as well as kidney cancer are roughly two times higher among AIAN compared to white individuals [9].



Trends in age-adjusted cancer incidence rates by sex and site, American Indian and Alaska Native individuals, PRCDA counties, 1998–2018. *Age-adjusted to the 2000 US standard population, adjusted for misclassification on medical records and delays in case reporting, and excluding persons of Hispanic ethnicity. Rates are 2-year moving averages because of sparse data. Excludes appendix. Includes intrahepatic bile duct. PRCDA indicates Purchased/Referred Care Delivery Area counties. Source: North American Association of Central Cancer Registries, 2021. CA: A Cancer Journal for Clinicians, First published: 08 November 2022, DOI: <https://doi.org/10.3322/caac.21757>

BREAST

Overall, breast cancer mortality (per 100,000) by region in San Diego was highest in La Mesa (62.9), Spring Valley (35.1), Santee (33.8) National City (33.3), and Elliott-Navajo (33.2) and lowest in Vista (13.1), Sweetwater (16.3), Central San Diego (16.9), Southeastern San Diego (18.4), Chula Vista (18.5) [8].

American Indian/Alaska Native women are less likely to be diagnosed with breast cancer compared to White women. This demographic has a 12% lower incidence rate for breast cancer, but has an 8% higher mortality rate compared to Whites. Incidence rates for breast cancer are on the rise for AIAN, which is likely contributing to a higher overall contemporary incidence compared to White women [9].

LUNG

In lung cancer, age-adjusted mortality rates in San Diego were highest for Coronado (48.6), Lakeside (47.6), Pauma (46.8), Fallbrook (46.7), and Harbison Crest (42.9) and lowest for National City (11.5), San Dieguito (15.6), University (15.8), Coastal (19.5), and North San Diego (21.9) [8].

Lung cancer is the second most commonly diagnosed cancer in AIAN men and women, with a 6% higher incidence rate compared to Whites in Purchased/Referred Care Delivery area (PRCDA) counties. American Indian/Alaska Natives have a higher smoking prevalence which has led to a delay in the decline of lung cancer as well as resulted in a more gradual decline compared to White individuals [9].



CANCER SITES WITH HIGHER RATES FOR THE AMERICAN INDIAN/ALASKA NATIVES

- Liver
- Stomach
- Cervix
- Kidney
- Colorectal



Dig into more data
moores.healthdat.org



PROSTATE

Male mortality rates for prostate (per 100,000) in SD were highest for Jamul (57.7), Valley Center (41.0), Spring Valley (39.9), Fallbrook (34.2), and Santee (32.6) and lowest for South Bay (9.9), Mid-City (10.5), Central San Diego (12.9), North San Diego (14.0), and Chula Vista (14.1) [8].

Prostate cancer was the most commonly diagnosed cancer among AIAN men in PRCDA counties (excluding Alaska) between 2014-2018. Prostate cancer rates have declined by around 7% a year in both AIAN and White men due to prostate cancer screening recommendations. AIAN men have a higher mortality rate for prostate cancer with 23.4 deaths per 100,000 individuals compared to White men with 17.8 deaths per 100,000 individuals [9].

COLORECTAL

Overall age-adjusted CRC mortality rates were highest in Spring Valley (20.5), La Mesa (20.2), El Cajon (20.0), Vista (19.6), and Chula Vista (18.7) and lowest in San Dieguito (7.8), Poway (8.4), North San Diego (8.5), Peninsula (9.6), and Oceanside (10.1) [8].

The incidence and mortality rates for CRC among AIAN individuals are approximately 43% and 42% higher than those among Whites. American Indians/Alaska Natives have the highest reported incidence and mortality rates in the world for CRC. These high rates are due in part to AIAN individuals being less likely to be diagnosed with localized stage CRC compared to White individuals [9].

SURVIVAL RATES

American Indian/Alaska Natives are more likely to be diagnosed at a later stage than white individuals. This results in a lower 5-year survival rate among AIAN than White individuals. This lower survival rate is due to reduced access to high-quality health care and treatment [9].

REFERENCES

- 2017-2021 San Diego County Demographic Profiles
- U.S. Census Bureau. 2015-2019. American Community Survey 5-year estimates: Report Median Household Income
- U.S. Census Bureau. 2022. American Community Survey: Report Selected Characteristics of Health Insurance Coverage
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Report Poverty Status in the Past 12 months
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Employment Status in San Diego vs U.S.
- U.S. Bureau Labor Statistics
- U.S. Census Bureau. American Community Survey 1-Year estimates. 2022: Educational Attainment in San Diego
- 2019 Community Health Needs Assessment: Health Brief - Hospital Association of San Diego and Imperial Counties
- Kratzer, T.B., Jemal, A., et al. Cancer Statistics for the American Indian and Alaska Native Individuals. 2022. CA: A Cancer Journal for Clinicians. First published: 08 November 2022. DOI: <https://doi.org/10.3322/caac.21757>.

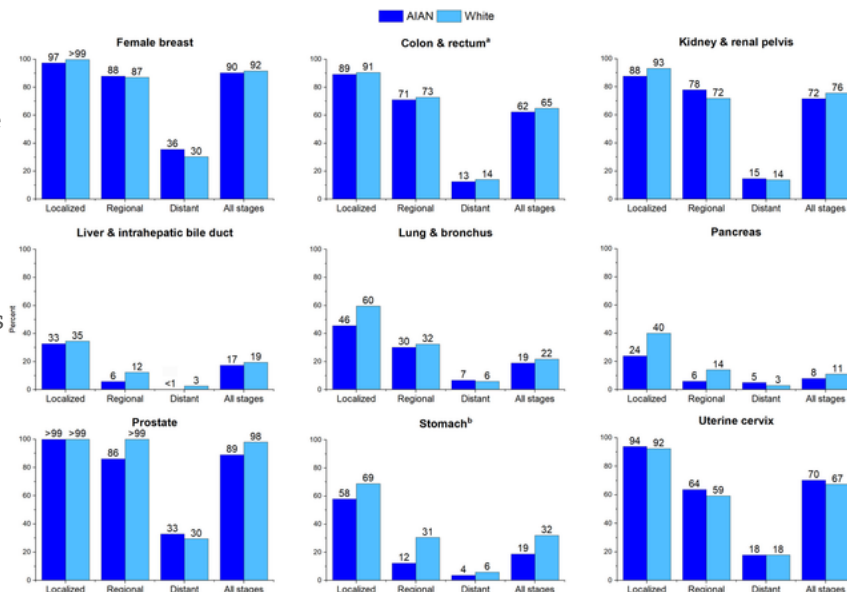
LIVER

For liver cancer, age-adjusted mortality rates were highest for National City (13.8), South Bay (13.7), Lemon Grove (13.6), Southeastern San Diego (12.0), and Oceanside (11.9) and lowest for Del Mar-Mira Mesa (3.2), North San Diego (4.7), Carlsbad (5.0), Coastal (5.2), Harbison Crest-El Cajon (5.4) [8].

American Indians/Alaska Natives have the highest liver cancer incidence rates of any other racial/ethnic group within the United States. Incidence rates for AIAN were 2.5 times higher than White individuals between 2014-2018. Mortality rates between 2015-2019 were two times greater in AIAN's compared to White individuals (13.3 vs. 5.9 deaths per 100,000). The incidence of liver cancer among AIAN women continues to increase at an annual rate of 4% [9].

CERVICAL

Cervical cancer incidence rates were 56% higher among AIAN women in PRCDA counties compared to White women (11.5 vs 7.4 cases per 100,000). Since the introduction of cervical cancer screenings rates have declined for AIAN women by 1.6% every year. These higher rates are in part due to a higher prevalence of high-risk HPV infections, which cause most cervical cancer cases [9].



Five-year Relative Survival Rates for Selected Cancers by Race and Stage at Diagnosis, United States, 2011 to 2017. CA: A Cancer Journal for Clinicians, Volume: 73, Issue: 2, Pages: 120-146. First published: 08 November 2022, DOI: <https://doi.org/10.3322/caac.21757>

