



NATIONAL CANCER TRENDS FOR AAs AND NHPIs^{[1][2][3]}

National cancer trends (1990-2008) among Native Hawaiians and Pacific Islanders (NHPIs) and Asian Americans (AAs) identified persistent cancer disparities and new ethnic-specific issues. NHPIs share a similar burden in common cancers such as breast, prostate, lung, and colorectal as non-Hispanic Whites (NHW), but they face higher risks from cancers such as stomach, liver, and uterus. In addition, NHPIs have higher cancer incidence rates compared to AAs. Increasing cancer incidence rates among Samoans and Guamanians/Chamorros and differences for Native Hawaiians in Hawai'i versus the mainland are key areas of concern. Further understanding social factors such as migration, acculturation, and geography may provide insights for reducing NHPI cancer disparities.

According to CDC, Asian Americans are the only racial group in which cancer is the leading cause of death. Among AAs, breast cancer was the most common cancer, followed by prostate, lung, colorectal, liver, and stomach cancers. AAs continue to experience the lowest screening rates (breast, cervical, colorectal cancers) compared to all other racial groups. Disparities in cancer incidence and mortality after diagnosis are more evident among foreign-born, low income AAs and those living in ethnic enclaves. Targeted ethnic-specific community prevention and screening efforts are critical to reducing AA cancer disparities.

IMPACT OF CANCER ON AAs AND NHPIs^{[1][2][4]}

- Among NHPI women, increase in cancer incidence was found in breast, uterine, and colorectal cancers among Samoan women.
- Among NHPIs, increase in overall cancer incidence was found among Guamanians/Chamorros.
- Samoan women experienced higher rates of stomach (4.8 times) and uterine (3.3 times) cancers compared to Non-Hispanic White women.
- Samoan men experienced higher rates of liver (3.8 times), stomach (2.8 times), and lung (1.3 times) cancers compared to Non-Hispanic White men.
- Among AAs, screening rates for breast (64.1%), cervical (75.4%), and colorectal (46.9%) cancer were the lowest compared with all other racial groups.
- Among AA women, increasing cancer incidence were found in uterine (Asian Indians, Chinese, Filipina, Japanese), colorectal (Koreans, Laotians, Vietnamese), lung (Filipinas, Koreans), thyroid (Filipinas), and breast cancer (most AAs).
- Among AA men, increasing cancer incidence were found for prostate (Asian Indians and Pakistanis, Filipinos, Koreans, Kampuchean), liver (Filipinos, Vietnamese, Kampuchean), and colorectal (Koreans) cancers.
- Southeast Asian women: Kampuchean (24.8), Laotian (23.7), and Vietnamese (20.9) women have the higher rates of liver cancer compared with Non-Hispanic White women.
- Southeast Asian men: Laotian (64.5), Vietnamese (58.5), and Kampuchean (52.7) have the higher rates of liver cancer compared with Non-Hispanic White men.

PENNSYLVANIA'S STATE POPULATION (ALONE)

Race	Population 2009-2011	Percent
White	10,487,231	82.52%
African American	1,375,868	10.83%
American Indian and Alaska Native	17,950	0.14%
Asian American	351,733	2.77%
Native Hawaiian and Pacific Islander	2,596	0.02%
Other Race	244,741	1.93%
Two or more races	229,035	1.80%
Total	12,709,154	100.00%

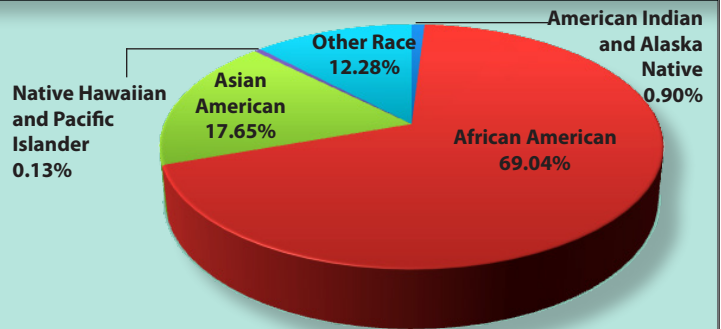
Source: U.S. Census Bureau, 2009-2011 American Community Survey

- 5.69% (722,831) of Pennsylvania's population is Hispanic or Latino. (Federal agencies only recognize five race categories: White, African American, American Indian and Alaska Native, Asian American, and Native Hawaiian and Pacific Islander. The federal government considers race and Hispanic/Latino origin to be two separate and distinct concepts.)

PENNSYLVANIA'S MINORITY POPULATION

In 2011, Asian Americans (AAs) made up 17.65% and Native Hawaiians and Pacific Islanders (NHPIs) made up 0.13% of the minority population. Philadelphia County has the majority of the AA (97,516) and the second largest NHPI (468) population, while Allegheny County has the largest (483).

Source: U.S. Census Bureau, 2009-2011 American Community Survey



PENNSYLVANIA'S ASIAN AMERICAN POPULATION (ALONE)

Asian American Group	Population 2005-2007	Population 2009-2011	Percent 2009-2011	Percent Change
Asian Indian	83,053	103,961	29.56%	25.17%
Bangladeshi	1,336	2,534	0.72%	89.67%
Cambodian	8,657	13,319	3.79%	53.85%
Chinese, except Taiwanese	69,294	81,486	23.17%	17.59%
Filipino	18,449	21,419	6.09%	16.10%
Hmong	618	1,234	0.35%	99.68%
Indonesian	2,949	3,283	0.93%	11.33%
Japanese	6,837	6,739	1.92%	-1.43%
Korean	36,992	38,396	10.92%	3.80%
Laotian	1,430	3,157	0.90%	120.77%
Malaysian	508	577	0.16%	13.58%
Pakistani	5,791	7,213	2.05%	24.56%
Sri Lankan	857	1,206	0.34%	40.72%
Taiwanese	1,663	2,242	0.64%	34.82%
Thai	2,152	3,002	0.85%	39.50%
Vietnamese	38,671	43,741	12.44%	13.11%
Other Asian	4,993	13,852	3.94%	177.43%
Other Asian, not specified	4,477	4,372	1.24%	-2.35%
Total	288,727	351,733	100.00%	21.82%

Source: U.S. Census Bureau 2005-2007, 2009-2011 American Community Survey

Asian Americans make up 2.77% of the population in Pennsylvania. The largest Asian American population in Pennsylvania is Asian Indian (29.56%) followed by Chinese (23.17%), Vietnamese (12.44%), and Korean (10.92%). The fastest growing group is Laotian with 120.77% increase since 2007.

PENNSYLVANIA'S NATIVE HAWAIIAN AND PACIFIC ISLANDER POPULATION (ALONE)

NHPI Group	Population 2005-2007	Population 2009-2011	Percent 2009-2011	Percent Change
Native Hawaiian	867	595	22.92%	-31.37%
Samoan	226	540	20.80%	138.94%
Tongan	†	28	1.08%	28.00%
Guamanian or Chamorro	607	374	14.41%	-38.39%
Other Pacific Islander	1,180	1,059	40.79%	-10.25%
Total	2880	2,596	100.00%	-9.86%

Source: U.S. Census Bureau 2005-2007, 2009-2011 American Community Survey

† Cannot calculate percent change because there was no Tongan population in Pennsylvania from 2005-2007

In 2011, Native Hawaiians and Pacific Islanders made up 0.02% of the population in Pennsylvania. The overall Native Hawaiian and Pacific Islander population is decreasing, though Samoan and Tongan populations are growing at 138.94% and 28.00% respectively.

LANGUAGES SPOKEN

Asian Americans, Native Hawaiians and Pacific Islanders speak over 100 languages and dialects. In Pennsylvania, 43.03% (36,626) of native Asian Americans and 12.37% (30,082) of foreign-born Asian Americans speak English only. Of Asian Americans who speak other language(s) besides English, 20.42% (9,902) of natives and 53.80% (114,700) of foreign-born speak English not well or not at all. 70.30% (1,361) of native Native Hawaiians and Pacific Islanders and 62.59% (343) of foreign-born Native Hawaiians and Pacific Islanders speak English only. Of Native Hawaiians and Pacific Islanders who speak other language(s) besides English, 22.09% (127) of natives and 55.61% (114) of foreign-born speak English not well or not at all.

Source: U.S. Census Bureau, 2009-2011 American Community Survey

INCOME

Group	Median Family Income	Per Capita Income
AA	\$76,768	\$29,294
NHPI	\$73,750	\$18,509
White	\$67,779	\$29,481
PA	\$64,331	\$27,469

Source: U.S. Census Bureau, 2009-2011 American Community Survey

Asian Americans have the highest median family income of all groups but have an almost equivalent per capita income as non-Hispanic whites. Asian Americans' income levels may be due to more individuals in Asian American households. Per capita income for Native Hawaiians and Pacific Islanders is much lower than other groups. This may also be due to the greater number of individuals residing in those households.

EDUCATIONAL ATTAINMENT

Population 25 years and over	PA	AA	NHPI
Less than high school diploma	11.70%	18.77%	11.06%
High school graduate (includes equivalency)	37.46%	15.66%	31.11%
Some college or associate's degree	23.97%	13.78%	37.02%
Bachelor's degree or higher	26.87%	51.78%	20.82%

Source: U.S. Census Bureau, 2009-2011 American Community Survey

Only 15.66% of Asian Americans just have their high school diploma or equivalent compared to Pennsylvanians (37.46%). Educational attainment of at least a bachelor's degree for Native Hawaiians and Pacific Islanders is lower (20.86%) than the average Pennsylvanian (26.87%), with a greater proportion of people who are high school graduates (31.11%) or some college (37.02%).

HEALTH INSURANCE COVERAGE

Group	Number of Individuals Uninsured	Percent
AA	51,873	14.80%
NHPI	445	17.88%
White	921,950	8.90%
PA	1,245,849	9.96%

Source: U.S. Census Bureau, 2009-2011 American Community Survey

Asian Americans, Native Hawaiians, and Pacific Islanders have a higher percent of uninsurance than whites. They account for 4.2% of Pennsylvania's overall uninsured population.

TOP 5 CANCER SITES: 2009, MALE AND FEMALE, PENNSYLVANIA^[5]

NOS = not otherwise specified, IBD = intrahepatic bile duct

~ Rates are suppressed and not ranked if case counts are fewer than 16 or if the population of the specific category (race, ethnicity) is less than 50,000

Incidence (Rates per 100,000)

Rank	All Races	White	AA and NHPI
1	Prostate 137.5	Female Breast 128.9	Female Breast 64.6
2	Female Breast 129.4	Prostate 123.4	Prostate 42.7
3	Lung & Bronchus 68.1	Lung & Bronchus 66.3	Lung & Bronchus 40.1
4	Colon & Rectum 46.9	Colon & Rectum 45.8	Colon & Rectum 27.5
5	Corpus & Uterus, NOS 31.3	Corpus & Uterus, NOS 31.7	Thyroid 16.0

Mortality (Rates per 100,000)

Rank	All Races	White	AA and NHPI
1	Lung & Bronchus 49.4	Lung & Bronchus 48.6	Lung & Bronchus 26.7
2	Female Breast 23.6	Female Breast 22.6	Female Breast 12.6
3	Prostate 21.5	Prostate 19.8	Pancreas 8.3
4	Colon & Rectum 17.2	Colon & Rectum 16.8	~
5	Pancreas 11.3	Pancreas 10.9	~

Source: U.S. Cancer Statistics: Working Group. U.S. Cancer Statistics 1999-2009 Incidence and Mortality Web-based Report.

Prostate cancer and female breast cancer are the most prevalent cancers among Asian American, Native Hawaiian, and Pacific Islander (AA and NHPI) population, but lung and bronchus cancer is the number one killer among all the populations. The same cancers that affect whites the most are also found in AAs and NHPIs, with the exception of cancers of the corpus and uterus. Thyroid is the 5th most prevalent cancer among AAs and NHPIs in Pennsylvania.

CANCER INCIDENCE: 2006, PENNSYLVANIA^[6]

Cancer Sites/Types	All Races	White	AA and NHPI
All Cancer Sites/Types	506.4	498.2	296.1
Prostate	164.4	149.7	86.0
Breast	68.6	67.7	40.3
Colon and Rectum	54.1	53.4	38.4
Bronchus and Lung	70.0	69.0	27.6
Liver and Intrahepatic Bile Duct	6.1	5.4	17.1
Cervical	7.8	7.6	14.3
Thyroid Gland	15.4	15.8	13.2
Sigmoid Colon	10.6	10.3	12.0
Non-Hodgkin Lymphomas	21.2	21.6	11.8
Gall Bladder	3.1	2.9	6.2

Source: Pennsylvania Department of Health Epidemiologic Query and Mapping System

In 2006, Asian Americans, Native Hawaiians, and Pacific Islanders had higher incidences of liver and intrahepatic bile duct, cervical, sigmoid colon, and gall bladder cancers than whites. In particular, liver and intrahepatic bile duct rate (17.1) was more than three times the rate among Whites (5.4).

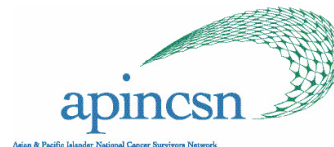
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STATE PROGRAMS

Pennsylvania Breast Cancer Coalition
Trout Run Business Center
344 North Reading Rd.
Ephrata, PA 17522
Tel: 1-800-377-8828
Website: www.pabreastcancer.org

Pennsylvania Cancer Control Consortium, PAC3
5150 Centre Ave., Ste. 4B
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Tel: (412) 623-0033
Website: <http://www.pac3.org/>
Pennsylvania Department of Health

Health and Welfare Building
8th Floor West
625 Forster St.
Harrisburg, PA 17120
Website: <http://www.portal.state.pa.us/portal/server.pt/community/cancer/14165>

HEALTH SERVICES AND OUTREACH

American Cancer Society,
Southeastern PA
Asian American Advisory Council
1626 Locust St.
Philadelphia, PA 19103
Tel: (215) 985-5307
Website: <http://www.cancer.org/InYourArea/Pennsylvania/ProgramsandServices/asian-advisory-committee-of-southeastern-pennsylvania>

Asian Health Network
Health Promotion Council of
Southeastern Pennsylvania
260 S. Broad St.
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Website: <http://www.hpcpa.org>

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Website: http://www.cphi.upenn.edu/asian_home.shtml

Center for Asian Health
College of Health Professions
Temple University
1415 N. Broad St., Suite 116
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Website: <http://www.temple.edu/cah/cancer.asp>

Jaisohn Center (Korean)
6705 Old York Rd.
Philadelphia, PA 19126
Tel: (215) 224-2000
Email: mail@jaisohn.org
Website: <http://www.jaisohn.org>

Philly Health Info.org
The College of Physicians
of Philadelphia
19 S. 22nd St.
Philadelphia, PA 19103
Tel: (215) 399-2251
Website: <http://www.phillyhealthinfo.org/>

National Association of Asian
American Professional, Philadelphia
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Email: naaap@naaaphilly.org

Intercultural Family Services, Inc.

CULTURAL ORGANIZATIONS

Asian American Women's Coalition
301-305 N. 9th St.
Philadelphia, PA 19107
Tel: (215) 922-0654
Website: <http://www.aawc.us/>

Cambodian American Senior
Association, CASA
1622 S. 7th St.
Philadelphia, PA 19148
Tel: (215) 218-0585
Website: <http://www.casaphl.org>

Central Pennsylvania Korean
Association
1079 S. Cameron St.
Harrisburg, PA 17104
Tel: (717) 319-9313
Website: <http://www.cpkaharrisburg.org/>

Khmer Palelai Buddhist Monastery
240 Greenwich Street
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Tel: (215) 339-5830

Asian Americans United (AAU)
1023 Callowhill St.
Philadelphia, PA 19123
Tel: (215) 925-1538
Email: aau@aaunited.org
Website: www.aaunited.org

Cambodian Association
of Greater Philadelphia
5412 N. 5th St.
Philadelphia, PA 19120
Tel: (215) 324-4070
Email: cagp@cagp.org
Website: <http://www.cagp.org/>

Indochinese American Council
4936 Old York Rd
Philadelphia, PA 19141
Tel: (215) 457-0272
Email: information@iacphila.org
Website: <http://www.iacphila.org/>

Lao Family Community Organization
of Greater Philadelphia
2136 South 6th St.
Philadelphia, PA 19148
Tel: (215) 465-9202

CULTURAL ORGANIZATIONS (continued)

Southeast Asian Mutual Assistance
Associations Coalition, Inc.
1711 S. Broad St.
Philadelphia, PA 19148
Tel: (215) 467-0690
Website: www.seamaac.org

Vietnamese Hung Vuong Association
930 S. 8th St.
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yahoo.com](mailto:hungvuongassociation@yahoo.com)

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All data taken from the 2009-2011 American Community Survey unless stated otherwise. For more information go to www.census.gov.

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² Gomez, Scarlett Lin, Lihua Liu, Anne-Michelle Noone, Steve Scoppa, James T. Gibson, Daphne Lichtensztajn, Kari Fish, Lynne R. Wilkens, Marc T. Goodman, Cyllene Morris, Sandy Kwong, Dennis Deapen, and Barry A. Miller. *Cancer Incidence Trends Among Native Hawaiians and Other Pacific Islanders in the United States, 1990-2008*. JNCI Journal of the National Cancer Institute. 22 July 2013. Available at: <http://jnci.oxfordjournals.org/content/105/15/1086.full?sid=37d9b8cc-cee0-45b6-bbb9-d82ddf4a4a9>

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⁵ U.S. Cancer Statistics Working Group. *United States Cancer Statistics: 1999-2009 Incidence and Mortality Web-based Report*. Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2013. Available at: <http://apps.ncccd.cdc.gov/uscs/toptencancers.aspx>

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