



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 most 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.

VIRGINIA'S STATE POPULATION (ALONE)

Race	Population 2009-2011	Percent
White	5,575,503	69.56%
African American	1,563,201	19.50%
American Indian and Alaska Native	25,822	0.32%
Asian American	443,169	5.53%
Native Hawaiian and Pacific Islander	5,059	0.06%
Other race	183,974	2.30%
Two or more races	218,774	2.73%
Total	8,015,502	100.00%

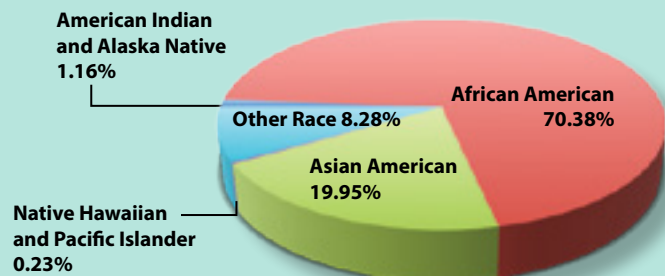
Source: U.S. Census Bureau, 2009-2011 American Community Survey

Of Virginia's population, 7.87% (630,535) are 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.)

VIRGINIA'S MINORITY POPULATION

In 2011, Asian Americans, Native Hawaiians and Pacific Islanders made up 5.58% of the population in Virginia. The largest concentration of Asian Americans (443,169) and Native Hawaiians and Pacific Islanders (5,059) were in Fairfax County.

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



VIRGINIA'S ASIAN AMERICAN POPULATION (ALONE)

Asian American Group	Population 2005-2007	Population 2009-2011	Percent 2009-2011	Percent Change
Asian Indian	78,384	103,363	23.32%	31.87%
Bangladeshi	3,311	5,681	1.28%	71.58%
Cambodian	5,322	6,045	1.36%	13.59%
Chinese, except Taiwanese	52,041	56,683	12.79%	8.92%
Filipino	60,491	65,541	14.79%	8.35%
Hmong	23	202	0.05%	778.26%
Indonesian	1,514	2,517	0.57%	66.25%
Japanese	10,378	11,238	2.54%	8.29%
Korean	61,616	74,991	16.92%	21.71%
Laotian	2,267	3,632	0.82%	60.21%
Malaysian	867	739	0.17%	-14.76%
Pakistani	11,514	23,723	5.35%	106.04%
Sri Lankan	575	2,198	0.50%	282.26%
Taiwanese	2,403	2,332	0.53%	-2.95%
Thai	5,626	7,556	1.70%	34.31%
Vietnamese	48,745	55,670	12.56%	14.21%
Other Asian	8,429	15,577	3.51%	84.80%
Other Asian, not specified	6,391	5,481	1.24%	-14.24%
Total	359,897	443,169	100.00%	23.14%

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

5.53% of Virginia's population is Asian American. Asian Indians are the largest group, comprising of about 23% of the Asian American population. Koreans (16.92%) and Filipinos (14.79%) are the next most prevalent groups. Hmong (778.26%) are the fastest growing group since 2011.

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

NHPI Group	Population 2005-2007	Population 2009-2011	Percent 2009-2011	Percent Change
Native Hawaiian	1,331	1,688	33.37%	26.82%
Samoan	693	595	11.76%	-14.14%
Tongan	243	329	6.50%	35.39%
Guamanian or Chamorro	2,072	1,616	31.94%	-22.01%
Fijian	109	64	1.27%	-41.28%
Other Pacific Islander	1,036	767	15.16%	-25.97%
Total	5,484	5,059	100.00%	-7.75%

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

The NHPI population of Virginia is 0.06% and its population is decreasing at 7.75%. There are two NHPI groups that are growing, which are Tongan (35.39%) and Native Hawaiian (26.82%). Of the small NHPI population, Native Hawaiians are the largest, making up more than one third of NHPis in the state.

LANGUAGES SPOKEN

Asian Americans, Native Hawaiians and Pacific Islanders speak over 100 languages and dialects. In Virginia, 49.04% (50,880) of native Asian Americans and 11.05% (34,207) of foreign-born Asian Americans speak English only. Of Asian Americans who speak other language(s) besides English, 14.73% (7,790) of natives and 44.83% (123,498) 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	\$96,368	\$34,432
NHPI	\$92,727	\$29,129
White	\$81,231	\$36,416
VA	\$74,766	\$32,461

Asian Americans report much greater median family incomes than whites and Virginians. However, their per capita income is less than that of whites due to more individuals residing in Asian American households. Native Hawaiian and Pacific Islander's median income is more than that of an average Virginian, but their per capita income is less than that of an average Virginian.

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

EDUCATIONAL ATTAINMENT

Population 25 years and over	VA	AA	NHPI
Less than high school diploma	13.00%	10.42%	6.04%
High school graduate (includes equivalency)	25.50%	13.90%	21.85%
Some college or associate's degree	27.10%	18.56%	37.21%
Bachelor's degree or higher	34.50%	57.12%	34.89%

About 55% of Asian Americans hold bachelor's degrees or higher as compared to 34.5% of Virginians and 34.89% of Native Hawaiian and Pacific Islanders. 6.04% of Native Hawaiian and Pacific Islanders have less than a high school diploma.

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

HEALTH INSURANCE COVERAGE

Groups	Number of Individuals Uninsured	Percent
AA	70,676	16.11%
NHPI	499	11.19%
White	566,719	10.42%
VA	974,989	12.54%

From 2005-2007, 16.11% of Asian Americans and 11.19% of Native Hawaiians and Pacific Islanders in Virginia were uninsured. The uninsured rate for all state residents was 12.54%. Asian American and Native Hawaiian and Pacific Islanders make up 5.59% of Virginia's total population and 7.30% of the total uninsured population.

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

TOP 5 CANCER SITES: 2005-2009, MALE AND FEMALE, VIRGINIA³

NOS = not otherwise specified, IBD = intrahepatic bile duct

Incidence (Rates per 100,000)

Rank	All Races	White	AA and NHPI
1	Prostate 157.9	Prostate 142.1	Female Breast 74.4
2	Female Breast 124.2	Female Breast 124.4	Prostate 68.2
3	Lung & Bronchus 67.5	Lung & Bronchus 67.9	Lung & Bronchus 34.5
4	Colon & Rectum 43.2	Colon & Rectum 41.3	Colon & Rectum 28.9
5	Corpus & Uterus, NOS 23.2	Melanomas of the Skin 24.7	Liver and Intrahepatic Bile Duct 14.1

Mortality (Rates per 100,000)

Rank	All Races	White	AA and NHPI
1	Lung & Bronchus 53.1	Lung & Bronchus 53.3	Lung & Bronchus 25.7
2	Prostate 26.0	Female Breast 23.2	Female Breast 11.8
3	Female Breast 24.8	Prostate 21.8	Liver and Intrahepatic Bile Duct 10.5
4	Colon & Rectum 16.6	Colon & Rectum 15.5	Colon & Rectum 8.6
5	Pancreas 11.3	Pancreas 10.6	Stomach 8.2

Source: U.S. Cancer Statistics: Working Group. U.S. Cancer Statistics 2005-2009 Incidence and Mortality Web-based Report.

The same cancers that are prevalent in whites also affect AAs and NHPs, with the exception of melanomas of the skin. Mortality is also attributed to the same cancer sites: lung and bronchus, female breast, colon and rectum.

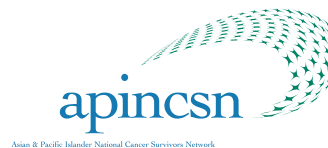
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 Websites: www.apiahf.org and www.apincsn.org
 Like us! www.facebook.com/apincsn



STATE PROGRAMS

Breast and Cervical Cancer Early Detection Program
 201 Francis Marion Lane
 Marion, VA 24354
 Tel: (276) 781-7450

Every Woman's Life Program
 Virginia Breast and Cervical Cancer Early Detection Program
 109 Governor Street, 8th Floor
 Richmond, VA 23219
 Tel: (804) 864-7761 or (804) 395-4968
 Fax: (804) 864-7763
 Email: free_screens@vdh.virginia.gov
 Website: www.vahealth.org/breastcancer

Virginia Department of Health, Cancer Prevention and Control Program
 109 Governor Street, 8th Floor
 Richmond, VA 23219
 Tel: (804) 864-7890
 Fax: (804) 864-6152
 Website: www.vahealth.org/cdpc/cancerprevention/

CULTURAL ORGANIZATIONS

Asian American Society of Central Virginia
P.O. Box 35194
Richmond, VA 23235
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Email: info@aasocv.org
Website: www.aasocv.org/
Bangladeshi, Cambodian, Chinese, Filipino, Indian, Japanese, Malaysian, Korean, Laotian, Pakistani, Thai, Vietnamese community links

Asian Coalition for Filipino Veterans Inc.
841 South Glebe Road
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Boat People SOS (Vietnamese)
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Bangladeshi, Cambodian, Chinese, Filipino, Indian, Japanese, Malaysian, Korean, Laotian, Pakistani, Thai, Vietnamese community links

Asian Coalition for Filipino Veterans Inc.
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Email: us.filvets@verizon.net
Website: www.usfilvets.tripod.com

Boat People SOS (Vietnamese)
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Website: www.bpsos.org

Cambodian Appeal
7929 Brighton Way
Manassas, VA 22110

Cambodian Association of Peninsula
and Tidewater in Virginia
101 W. Pembroke Ave. #N4
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Tel: (804) 728-0223

Cambodian Association of Virginia
16 North Laurel Street
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Coalition of Asian Pacific Americans of Virginia
(CAPAVA)
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Reston, VA 20191
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Federation of Cambodian Association
P.O. Box 242
Alexandria, VA 22313

Filipino-American Association of Central Virginia
Website: www.faacv.org

Filipino-American Association of Stafford, VA
Mailing Address
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Physical Address
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Stafford, VA, 22554-8808
Website: www.filamofstafford.org

Grace Filipino Church
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Woodbridge, VA 22193
Website: www.gracefilipinochurch.org
Greater Richmond Association of Malayalees
Email: ec@gramam.org
Website: www.gramam.org/default.aspx

Greater Richmond Bengali Association
1941 Normandstone Drive
Midlothian, VA 23113
Website: www.grbaonline.org

Hai-Hua Community Center, Incorporated
9306 Robnel Place
Vienna, VA 22182-1659
Tel: (301) 538-6585

India Association of Virginia
Website: www.iava.us
Includes links to other organizations

Japanese American Veterans Association
5847 Aspen Wood Court
McLean, VA 22101
Tel: (703) 538-5081
Website: www.javadc.org/main.htm

Korean Focus
1906 Sword Lane
Alexandria, VA 22308
Email: info@koreanfocus.org
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National Association of Korean Americans
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3883 Plaza Drive
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Website: www.naka.org

National Congress of Vietnamese Americans
6433 North Anna Drive
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Email: info@ncvaonline.org
Website: www.ncvaonline.org

Northern Thai Association
122 Battle Street, S.W.
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Tel: (703) 255-5578

Pakistan American Society of Central Virginia
Mansoor 'Manny' Siddiqui
P.O. Box 29715
Richmond, VA 23242
Tel: (804) 338-9917
Website: www.aasocv.org/pakistani/index.html

Philippine-American Community of the Peninsula
Website: www.geocities.com/pacp_23608

Philippine Cultural Center of Virginia
4857 Baxter Road
Virginia Beach, VA 23462
Tel: (757) 490-7600
Website: www.philippineculturalcenter.com

Richmond Tamil Sangam
Website: www.richmondtamilsangam.org/en

Richmond Vietnamese Association
3904 Springfield Road
Glen Allen, VA 23060
Tel: 1-804-270-0083
Email: BCH@HoiNguoiVietRichmondVA.org
Website: www.hoinguoivietrichmondva.org

Traditional Asian Health Center
5700 Old Richmond Avenue, Ste. C-11
Richmond, VA 23226
Tel: (804) 513-4408
Website: www.aznhealth.com

Vietnamese Community of West Virginia
6131 Willston Drive, Ste E
Falls Church, VA 22044-3002

Vietnamese Cultural Society
P.O. Box 5091
Falls Church, VA 22044
Tel: (703) 534-3859
Email: info@vcsmw.org
Website: www.vcsmw.org

Vietnamese Resettlement Association
6131 Willston Drive, Room 6
Falls Church, VA 22044
Tel: (703) 532-3716

Vietnamese Senior Citizens Association
6131 Willston Drive, #107
Falls Church, VA 22041
Tel: (703) 532-0267

Wat Pa Buddharam
Laos American Community Center
8710 Marye Road
Partlow, Virginia 22534
Tel: (703) 582-3572

SUPPORT GROUPS

National Hospice and Palliative Care Organization
1731 King Street, Suite 100
Alexandria, VA 22314
Tel: (703) 837-1500 or (800) 658-8898
Fax: (703) 837-1233
Email: caringinfo@nhpco.org
Website: www.nhpco.org & www.caringinfo.org

REFERENCES

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

¹ 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* (2013): n. pag. 22 July 2013. Web. 1 Sept. 2013.

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 Asian Americans in the United States, 1990–2008." *JNCI Journal of the National Cancer Institute* (2013): n. pag. 22 July 2013. Web. 1 Sept. 2013.

³ Heron, Melonie (2012). *Deaths: Leading Causes for 2009*. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2013. Available at: http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_07.pdf

⁴ Klabunde, Carrie N., Martin Brown, Rachel Ballard-Barbash, Mary C. White, Trevor Thompson, Marcus Plescia, and Sallyann Sallyann Coleman King. "Cancer Screening — United States, 2010." Centers for Disease Control and Prevention. Centers for Disease Control and Prevention, 27 Jan. 2012. Web. Sept. 2013. Available at: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6103a1.htm?s_cid=mm6103a1_w

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: www.cdc.gov/uscs