NATIONAL CANCER TRENDS FOR AAs AND NHPIs\textsuperscript{[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\textsuperscript{[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.
WASHINGTON’S STATE POPULATION (ALONE)

<table>
<thead>
<tr>
<th>Race</th>
<th>Population 2009-2011</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>5,312,511</td>
<td>78.74%</td>
</tr>
<tr>
<td>African American</td>
<td>239,524</td>
<td>3.55%</td>
</tr>
<tr>
<td>American Indian and Alaska Native</td>
<td>93,760</td>
<td>1.39%</td>
</tr>
<tr>
<td>Asian American</td>
<td>484,111</td>
<td>7.18%</td>
</tr>
<tr>
<td>Native Hawaiian and Pacific Islander</td>
<td>39,318</td>
<td>0.58%</td>
</tr>
<tr>
<td>Other Race</td>
<td>270,479</td>
<td>4.01%</td>
</tr>
<tr>
<td>Two or more races</td>
<td>307,103</td>
<td>4.55%</td>
</tr>
<tr>
<td>Total</td>
<td>6,746,806</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

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

- Of Washington’s population, 11.27% (760,272) 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.)

WASHINGTON’S MINORITY POPULATION

In 2011, Washington’s largest minority populations were Hispanic or Latino and Asian American. The largest concentration of Asians (58.56%) and Native Hawaiians and Pacific Islanders (36.65%) was in King County.

Source: U.S. Census Bureau, 2009-2011 American Community Survey
WASHINGTON’S ASIAN AMERICAN POPULATION (ALONE)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian Indian</td>
<td>43,854</td>
<td>59,604</td>
<td>12.31%</td>
<td>35.91%</td>
</tr>
<tr>
<td>Bangladeshi</td>
<td>143</td>
<td>190</td>
<td>0.04%</td>
<td>32.87%</td>
</tr>
<tr>
<td>Cambodian</td>
<td>13,537</td>
<td>21,083</td>
<td>4.35%</td>
<td>55.74%</td>
</tr>
<tr>
<td>Chinese, except Taiwanese</td>
<td>78,224</td>
<td>95,488</td>
<td>19.72%</td>
<td>22.07%</td>
</tr>
<tr>
<td>Filipino</td>
<td>83,806</td>
<td>89,314</td>
<td>18.45%</td>
<td>6.57%</td>
</tr>
<tr>
<td>Hmong</td>
<td>2,403</td>
<td>3,015</td>
<td>0.62%</td>
<td>25.47%</td>
</tr>
<tr>
<td>Indonesian</td>
<td>2,652</td>
<td>2,513</td>
<td>0.52%</td>
<td>-5.24%</td>
</tr>
<tr>
<td>Japanese</td>
<td>37,626</td>
<td>36,049</td>
<td>7.45%</td>
<td>-4.19%</td>
</tr>
<tr>
<td>Korean</td>
<td>56,732</td>
<td>60,724</td>
<td>12.54%</td>
<td>7.04%</td>
</tr>
<tr>
<td>Laotian</td>
<td>11,203</td>
<td>10,439</td>
<td>2.16%</td>
<td>-6.82%</td>
</tr>
<tr>
<td>Malaysian</td>
<td>333</td>
<td>310</td>
<td>0.06%</td>
<td>-6.91%</td>
</tr>
<tr>
<td>Pakistani</td>
<td>1,042</td>
<td>3,122</td>
<td>0.64%</td>
<td>199.62%</td>
</tr>
<tr>
<td>Sri Lankan</td>
<td>650</td>
<td>695</td>
<td>0.14%</td>
<td>6.92%</td>
</tr>
<tr>
<td>Taiwanese</td>
<td>2,268</td>
<td>5,643</td>
<td>1.17%</td>
<td>148.81%</td>
</tr>
<tr>
<td>Thai</td>
<td>5,526</td>
<td>5,687</td>
<td>1.17%</td>
<td>2.91%</td>
</tr>
<tr>
<td>Vietnamese</td>
<td>65,260</td>
<td>64,722</td>
<td>13.37%</td>
<td>-0.82%</td>
</tr>
<tr>
<td>Other Asian</td>
<td>11,305</td>
<td>20,933</td>
<td>4.32%</td>
<td>85.17%</td>
</tr>
<tr>
<td>Other Asian, not specified</td>
<td>2,492</td>
<td>4,580</td>
<td>0.95%</td>
<td>83.79%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>419,056</strong></td>
<td><strong>484,111</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>15.52%</strong></td>
</tr>
</tbody>
</table>


7.18% of Washington’s population is Asian American. Chinese, except Taiwanese, are the largest group, comprising of about 20% of the Asian population. Filipinos (18.45%) and Vietnamese (13.37%) are the next most prevalent groups. The Asian population is increasing at about 15.52% with Pakistani (199.62%) and Taiwanese (148.81%) as the fastest growing groups.

WASHINGTON’S NATIVE HAWAIIAN AND PACIFIC ISLANDER POPULATION (ALONE)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Native Hawaiian</td>
<td>5,069</td>
<td>5,364</td>
<td>13.63%</td>
<td>5.82%</td>
</tr>
<tr>
<td>Samoan</td>
<td>7,530</td>
<td>14,385</td>
<td>36.55%</td>
<td>91.04%</td>
</tr>
<tr>
<td>Tongan</td>
<td>477</td>
<td>1,121</td>
<td>2.85%</td>
<td>135.01%</td>
</tr>
<tr>
<td>Guamanian or Chamorro</td>
<td>7,033</td>
<td>9,723</td>
<td>24.71%</td>
<td>38.25%</td>
</tr>
<tr>
<td>Fijian</td>
<td>882</td>
<td>1,595</td>
<td>4.05%</td>
<td>80.84%</td>
</tr>
<tr>
<td>Other Pacific Islander</td>
<td>6,347</td>
<td>7,166</td>
<td>18.21%</td>
<td>12.90%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>27,338</strong></td>
<td><strong>39,354</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>43.95%</strong></td>
</tr>
</tbody>
</table>


The NHPI population of Washington is 0.58% and its population is increasing at 43.95%. There are several NHPI groups that are growing. The top two are Tongan at 135.01% and Samoan at 91.04%. Of the small NHPI population, Samoans are the largest, making up more than a third of NHPIs in the state.
LANGUAGES SPOKEN
Asian Americans, Native Hawaiians and Pacific Islanders speak over 100 languages and dialects. In Washington, 55.51% (77,740) of native Asian Americans and 12.09% (38,172) of foreign-born Asian Americans speak English only. Of Asian Americans who speak other language(s) besides English, 22.39% (13,947) of natives and 55.07% (152,881) of foreign-born speak English not well or not at all.
Source: U.S. Census Bureau, 2009-2011 American Community Survey

INCOME

<table>
<thead>
<tr>
<th>Group</th>
<th>Median Family Income</th>
<th>Per Capita Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>$79,587</td>
<td>$30,126</td>
</tr>
<tr>
<td>NHPI</td>
<td>$60,015</td>
<td>$19,565</td>
</tr>
<tr>
<td>White</td>
<td>$72,640</td>
<td>$31,987</td>
</tr>
<tr>
<td>WA</td>
<td>$69,979</td>
<td>$29,673</td>
</tr>
</tbody>
</table>

Asian Americans have the highest median family of all groups but report lower per capita income than whites. This is due to a greater number of individuals in Asian American households. Native Hawaiian and Pacific Islanders report the lowest income, over $8,000 under the state median.
Source: U.S. Census Bureau, 2009-2011 American Community Survey

EDUCATIONAL ATTAINMENT

<table>
<thead>
<tr>
<th>Population 25 years and over</th>
<th>WA</th>
<th>AA</th>
<th>NHPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than high school diploma</td>
<td>29.8%</td>
<td>14.89%</td>
<td>11.33%</td>
</tr>
<tr>
<td>High school graduate (includes equivalency)</td>
<td>25.2%</td>
<td>16.40%</td>
<td>39.44%</td>
</tr>
<tr>
<td>Some college or associate's degree</td>
<td>29.5%</td>
<td>22.72%</td>
<td>37.08%</td>
</tr>
<tr>
<td>Bachelor's degree or higher</td>
<td>22.6%</td>
<td>45.99%</td>
<td>12.14%</td>
</tr>
</tbody>
</table>

Asian Americans have higher levels of educational attainment than the average Washingtonian. However, 14.89% of Asian Americans also have less than a high school diploma. The majority of Native Hawaiian and Pacific Islanders are high school graduates (39.44%) and only 12.14% hold a bachelor’s degree or higher.
Source: U.S. Census Bureau, 2009-2011 American Community Survey

HEALTH INSURANCE COVERAGE

<table>
<thead>
<tr>
<th>Groups</th>
<th>Number of Individuals Uninsured</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>66,073</td>
<td>13.75%</td>
</tr>
<tr>
<td>NHPI</td>
<td>6,021</td>
<td>15.76%</td>
</tr>
<tr>
<td>White</td>
<td>654,862</td>
<td>12.51%</td>
</tr>
<tr>
<td>WA</td>
<td>923,249</td>
<td>13.96%</td>
</tr>
</tbody>
</table>

From 2009-2011, 13.75% of Asian Americans and 15.76% of Native Hawaiians and Pacific Islanders in Washington were uninsured. The uninsured rate for all state residents was 13.96%. Asian Americans, Native Hawaiians and Pacific Islanders make up 7.76% of Washington’s total population and 7.81% of the total uninsured population.
Source: U.S. Census Bureau, 2009-2011 American Community Survey
TOP 5 CANCER SITES: 2005-2009, MALE AND FEMALE, WASHINGTON

NOS = not otherwise specified, IBD = intrahepatic bile duct

### Incidence (Rates per 100,000)

<table>
<thead>
<tr>
<th>Rank</th>
<th>All Races</th>
<th>White</th>
<th>AA and NHPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prostate</td>
<td>155.3 Prostate</td>
<td>Female Breast 86.8</td>
</tr>
<tr>
<td>2</td>
<td>Female Breast</td>
<td>131.8 Female Breast</td>
<td>132.9 Prostate 78.9</td>
</tr>
<tr>
<td>3</td>
<td>Lung &amp; Bronchus</td>
<td>64.2 Lung &amp; Bronchus</td>
<td>65.2 Lung &amp; Bronchus 40.9</td>
</tr>
<tr>
<td>4</td>
<td>Colon &amp; Rectum</td>
<td>42.4 Colon &amp; Rectum</td>
<td>41.9 Colon &amp; Rectum 33.9</td>
</tr>
<tr>
<td>5</td>
<td>Melanomas of the Skin</td>
<td>25.0 Melanomas of the Skin</td>
<td>27.5 Liver &amp; Intrahepatic Bile Duct 19.4</td>
</tr>
</tbody>
</table>

### Mortality (Rates per 100,000)

<table>
<thead>
<tr>
<th>Rank</th>
<th>All Races</th>
<th>White</th>
<th>AA and NHPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lung &amp; Bronchus</td>
<td>49.2 Lung &amp; Bronchus</td>
<td>50.4 Lung &amp; Bronchus 30.4</td>
</tr>
<tr>
<td>2</td>
<td>Prostate</td>
<td>24.9 Prostate</td>
<td>25.0 Liver &amp; Intrahepatic Bile Duct 14.6</td>
</tr>
<tr>
<td>3</td>
<td>Female Breast</td>
<td>21.9 Female Breast</td>
<td>22.4 Prostate 12.2</td>
</tr>
<tr>
<td>4</td>
<td>Colon &amp; Rectum</td>
<td>14.9 Colon &amp; Rectum</td>
<td>15.0 Female Breast 12.1</td>
</tr>
<tr>
<td>5</td>
<td>Pancreas</td>
<td>11.0 Pancreas</td>
<td>11.1 Colon &amp; Rectum 10.7</td>
</tr>
</tbody>
</table>


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

### ACKNOWLEDGEMENTS

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- Michelle Chang
- Becky Lee
- Scarlett Lin Gomez
- Brianna Loughbridge
- Trixy Joy Manansala
- Mavis Nitta
- Trish Quema
- Winston Tseng

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Asian & Pacific Islander American Health Forum
Asian & Pacific Islander National Cancer Survivors Network
450 Sutter Street, Suite 600, San Francisco, CA 94108
Tel: (415) 954-9988
Email: APINCNSN@apiahf.org
Websites: www.apiahf.org and www.apincsn.org
Like us! www.facebook.com/apincsn

### STATE PROGRAMS

- Commission on Asian Pacific American Affairs
  - General Administration Building
  - 210 11th Ave. SW, Suite 301
  - P.O. Box 49925
  - Olympia, WA 98504
  - Tel: (360) 725-5667
  - Email: capaa@capaa.wa.gov
  - Website: www.capaa.wa.gov

- Washington State Department of Health
  - Comprehensive Cancer Control Program
  - 111 Israel Rd., Town Center 2
  - Tumwater, WA 98501
  - Tel: (360) 236-3784
  - Email: cancer@doh.wa.gov
  - Website: http://www.doh.wa.gov/CCC/

- Washington State Prostate Cancer Coalition
  - P.O. Box 652
  - Auburn, WA 98071
  - Website: http://www.prostatewashington.org/

- Asian & Pacific Islander American Health Forum
  - 450 Sutter Street, Suite 600, San Francisco, CA 94108 • 415-954-9988 • www.apiahf.org
Cambodian Women’s Association
3603 S. Alaska St.
Seattle, WA 98118
Tel: (206) 760-0539

Chinese Information and Service Center
611 S Lane St.
Seattle, WA 98104
Tel: (206) 624-5633
Website: http://www.cisc-seattle.org/

Filipino Community Center of Seattle
5740 Martin Luther King, Jr. Way South
Seattle, WA 98118
Tel: (206) 722-9372
Website: http://www.fcseattle.org

First Tongan Assembly of God
213 Blaine St.
Seattle, WA 98109
Tel: (206) 298-9458

Hmong Association of Washington
P.O. Box 14492
Seattle, WA 98114
Tel: (425) 241-2085
Website: http://www.hmongofwa.org

Japanese American Citizens League - Seattle Chapter
316 Maynard South
Seattle, WA 98104
Tel: (206) 622-4098
Website: http://www.jacseattle.org

Korean Women’s Association
123 East 96th St.
Tacoma, WA 98445
Tel: (253) 535-4202 or (888) 508-2780
Fax: (253) 535-4827
Website: http://kwaoutreach.org/

Nepal Seattle Society
P.O. Box 45633
Seattle, WA 98145
Tel: (806) 403-2447
Email: info@nepalseattle.org
Website: http://www.nepalseattle.org/nsscms

Organization of Chinese Americans - Greater Seattle
606 Maynard Ave. South, Ste. 104
P.O. Box 3013
Seattle, WA 98114
Tel: (206) 274-4656
Website: http://www.ocaseattle.org

Refugee Women’s Alliance
4008 Martin Luther King, Jr. Way South
Seattle, WA 98108
Tel: (206) 721-0243
Website: http://www.rewa.org/

Samoan National Nurses Association
3513 Portland Ave.
Tacoma, WA 98404
Tel: (253) 301-3872
Fax: (253) 301-3962
Email: health@snma.org

Seattle Samoan Congregational Christian Church #3
3550 S. Holly St.
Seattle, WA 98118-3237
Tel: (206) 723-3177
Email: saau@netzero.net

CANCER SUPPORT GROUPS

Cancer Lifeline Seattle
Dorothy S. O’Brien Center
6522 Fremont Ave. North
Seattle, WA 98103
Tel: (206) 297-2100
Website: http://www.cancerlifeline.org/services/support-groups

Cancer Patient Care
1507 E. Sprague Ave.
Spokane, WA 99202
Tel: (509) 456-0446 or (866) 696-3149
Fax: (509) 456-0459
Email: info@cancerpatientcare.org
Website: www.cancerpatientcare.org

Gilda’s Club Seattle
1400 Broadway
Seattle, WA 98122-3809
Tel: (206) 709-1400
Fax: (206) 709-9719
Email: info@gildasclubseattle.org
Website: www.gildasclubseattle.org

International Community Health Services
International District Medical & Dental Clinic
720 8th Avenue South
Seattle, WA 98104
Phone: (206) 788-3700
Fax: (206) 788-3706
Website: www.ichs.com

Mavin Foundation
1425 Broadway, #517
Seattle, WA 98122
Tel: (206) 622-7101
Email: info@mavinfoundation.org
Website: www.mavinfoundation.org

Susan G. Komen for the Cure, Puget Sound Affiliate
112 Fifth Avenue North
Seattle, WA 98109
Tel: (206) 633-0303
Fax: (206) 633-0304
Email: info@pskomen.org
Website: www.komenpugetsound.org

Tacoma - Pierce County Health Department, Breast, Cervical, and Colon Health Program
3629 South D Street
Tacoma, WA 98418
Phone: (253) 798-6410
Fax: (253) 798-7666
Email: info@tpchd.org
Website: www.tpchd.org/health-wellness-1/breast-cervical-colon-health-program

Gilda’s Club Seattle
1400 Broadway
Seattle, WA 98122
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Fax: (206) 709-9719
Email: info@gildasclubseattle.org
Website: www.gildasclubseattle.org

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Seattle, WA 98104
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Fax: (206) 788-3706
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3629 South D Street
Tacoma, WA 98418
Phone: (253) 798-6410
Fax: (253) 798-7666
Email: info@tpchd.org
Website: www.tpchd.org/health-wellness-1/breast-cervical-colon-health-program
All data taken from the 2009-2011 American Community Survey unless stated otherwise.


