



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 NHPIS 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 NHPIS 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.

OREGON'S STATE POPULATION (ALONE)

| Race | Population 2009-2011 | Percent |
|--------------------------------------|----------------------|----------------|
| White | 3,261,053 | 84.93% |
| African American | 70,978 | 1.85% |
| American Indian and Alaska Native | 50,526 | 1.32% |
| Asian American | 144,176 | 3.75% |
| Native Hawaiian and Pacific Islander | 14,369 | 0.37% |
| Other Race | 162,628 | 4.24% |
| Two or more races | 135,868 | 3.54% |
| Total | 3,839,598 | 100.00% |

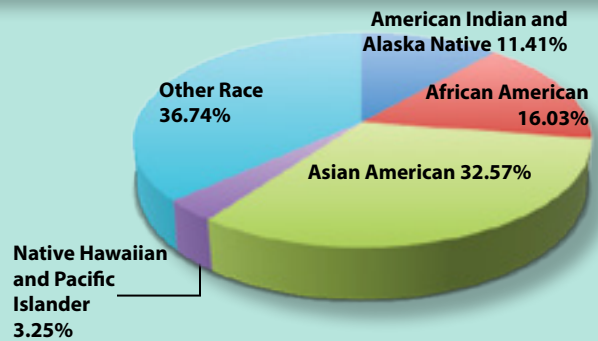
Source: U.S. Census Bureau, 2009-2011 American Community Survey

- Of Oregon's population, 11.78% (452,447) 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.)

OREGON'S MINORITY POPULATION

Over one third of Oregon's minority population is Asian American, Native Hawaiian or Pacific Islander. The largest concentrations of Asians and NHPs are in Washington (34.11%) and Multnomah (30.68%) Counties.

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



OREGON'S ASIAN AMERICAN POPULATION (ALONE)

| Asian American Group | Population 2005-2007 | Population 2009-2011 | Percent 2009-2011 | Percent Change |
|----------------------------|----------------------|----------------------|-------------------|----------------|
| Asian Indian | 13,332 | 14,715 | 10.21% | 10.37% |
| Bangladeshi | 335 | 360 | 0.25% | 7.46% |
| Cambodian | 2,294 | 3,276 | 2.27% | 42.81% |
| Chinese, except Taiwanese | 27,766 | 32,796 | 22.75% | 18.12% |
| Filipino | 15,543 | 16,211 | 11.24% | 4.30% |
| Hmong | 1,884 | 562 | 0.39% | -70.17% |
| Indonesian | 761 | 1,035 | 0.72% | 36.01% |
| Japanese | 13,794 | 12,304 | 8.53% | -10.80% |
| Korean | 19,472 | 16,296 | 11.30% | -16.31% |
| Laotian | 3,980 | 4,874 | 3.38% | 22.46% |
| Malaysian | 62 | 93 | 0.06% | 50.00% |
| Pakistani | 434 | 1,028 | 0.71% | 136.87% |
| Sri Lankan | 211 | 600 | 0.42% | 184.36% |
| Taiwanese | 758 | 1,375 | 0.95% | 81.40% |
| Thai | 1,920 | 2,268 | 1.57% | 18.13% |
| Vietnamese | 23,514 | 29,655 | 20.57% | 26.12% |
| Other Asian | 4,079 | 5,602 | 3.89% | 37.34% |
| Other Asian, not specified | 1,295 | 1,126 | 0.78% | -13.05% |
| Total | 131,434 | 144,176 | 100.00% | 9.69% |

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

3.75% of Oregon's population is Asian American. Chinese, except Taiwanese, are the largest group, comprising of about 23% of the Asian population. Vietnamese (20.57%) and Korean (11.30%) are the next most prevalent groups. The Asian American population is increasing at about 9.69% with Sri Lankan (184.36%) and Pakistani (136.87%) as the fastest growing groups.

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

| NHPI Group | Population 2005-2007 | Population 2009-2011 | Percent 2009-2011 | Percent Change |
|------------------------|----------------------|----------------------|-------------------|----------------|
| Native Hawaiian | 2,831 | 3,800 | 26.45% | 34.23% |
| Samoa | 52 | 1,300 | 9.05% | 2400.00% |
| Tongan | 957 | 248 | 1.73% | -74.09% |
| Guamanian or Chamorro | 1,663 | 1,207 | 8.40% | -27.42% |
| Fijian | 437 | 697 | 4.85% | 59.50% |
| Other Pacific Islander | 2,206 | 7,117 | 49.53% | 222.62% |
| Total | 8,146 | 14,369 | 100.00% | 76.39% |

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

The NHPI population of Oregon is 0.37% and its population is increasing at 76.39%. There are several NHPI groups that are growing. The largest is Samoan at 2400% . Of the small NHPI population, Other Pacific Islander is the largest, making up almost half of NHPIs in the state.

LANGUAGES SPOKEN

Asian Americans, Native Hawaiians and Pacific Islanders speak over 100 languages and dialects. In Oregon, 56.03% (24,403) of native Asian Americans and 15.23% (14,056) of foreign-born Asian Americans speak English only. Of Asian Americans who speak other language(s) besides English, 18.18% (3,481) of natives and 55.17% (43,149) 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 | \$67,458 | \$26,025 |
| NHPI | \$43,624 | \$15,006 |
| White | \$61,253 | \$27,282 |
| OR | \$59,494 | \$25,764 |

Asian Americans have the highest median family and per capita income than that of the other groups. This is due to a greater number of individuals in Asian American households. Native Hawaiian and Pacific Islanders report the lowest income and per capita income, over \$10,000 under the state median.

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

EDUCATIONAL ATTAINMENT

| Population 25 years and over | OR | AA | NHPI |
|---|--------|--------|--------|
| Less than high school diploma | 31.50% | 14.37% | 14.61% |
| High school graduate (includes equivalency) | 27.20% | 16.69% | 38.66% |
| Some college or associate's degree | 26.60% | 23.20% | 33.12% |
| Bachelor's degree or higher | 21.20% | 45.74% | 13.61% |

45.74% of Asian Americans hold bachelor's degree or higher as compared to 21.20% of Oregonians and 13.61% of Native Hawaiian and Pacific Islanders. Most Native Hawaiians and Pacific Islanders are high school graduates or have completed some college or hold an associate's degree.

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

HEALTH INSURANCE COVERAGE

| Groups | Number of Individuals Uninsured | Percent |
|--------|---------------------------------|---------|
| AA | 22,455 | 15.63% |
| NHPI | 4,253 | 29.79% |
| White | 490,448 | 15.19% |
| OR | 631,645 | 16.65% |

From 2009-2011, 15.63% of Asian Americans and 29.79% of Native Hawaiians and Pacific Islanders in Oregon were uninsured. The uninsured rate for all state residents was 16.65%. Asian Americans and Native Hawaiian and Pacific Islanders make up 4.12% of Oregon's total population and 4.23% of the total uninsured population.

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

TOP 5 CANCER SITES: 2005-2009, MALE AND FEMALE, OREGON⁵

NOS = not otherwise specified, IBD = intrahepatic bile duct

Incidence (Rates per 100,000)

| Rank | All Races | White | AA and NHPI |
|------|----------------------------|----------------------------|-------------------------------------|
| 1 | Prostate 145.1 | Prostate 138.4 | Female Breast 75.8 |
| 2 | Female Breast 130.7 | Female Breast 129.9 | Prostate 63.8 |
| 3 | Lung & Bronchus 65.6 | Lung & Bronchus 65.5 | Lung & Bronchus 40.2 |
| 4 | Colon & Rectum 42.7 | Colon & Rectum 41.8 | Colon & Rectum 33.6 |
| 5 | Melanomas of the Skin 26.0 | Melanomas of the Skin 27.0 | Liver & Intrahepatic Bile Duct 18.6 |

Mortality (Rates per 100,000)

| Rank | All Races | White | AA and NHPI |
|------|----------------------|----------------------|-------------------------------------|
| 1 | Lung & Bronchus 51.1 | Lung & Bronchus 51.8 | Lung & Bronchus 27.9 |
| 2 | Prostate 25.7 | Prostate 25.9 | Liver & Intrahepatic Bile Duct 13.8 |
| 3 | Female Breast 21.5 | Female Breast 21.8 | Colon & Rectum 11.3 |
| 4 | Colon & Rectum 16.0 | Colon & Rectum 16.1 | Female Breast 10.9 |
| 5 | Pancreas 11.0 | Pancreas 11.1 | Pancreas 8.3 |

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 NHPIs, with the exception of melanomas of the skin. Mortality is also attributed to the same cancer sites: lung and bronchus, female breast, prostate, colorectal, and pancreas.

LIVER CANCER INCIDENCE AND MORTALITY RATES, BY RACE AND ETHNICITY, OREGON, 2006-2010⁶



Source: Riddell C., Pliska JM. Cancer in Oregon, 2010

During 2006-2010, liver cancer incidence and mortality rates were significantly higher in Oregon among Asian Americans and Pacific Islanders.

ACKNOWLEDGEMENTS

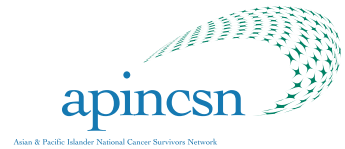
APIAHF would like to thank the following authors and contributors who made this Cancer Health Briefs Project possible:

Roxanna Bautista
Alison Chang
Michelle Chang
Becky Lee
Scarlett Lin Gomez

Brianna Loughbridge
Trixy Joy Manansala
Mavis Nitta
Trish Quema
Winston Tseng

FOR MORE INFORMATION, CONTACT

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



HEALTH SERVICES

Asian Family Center
4424 NE Glisan St.
Portland, OR 97213
Tel: (503) 235-9396
Website: <http://www.irco.org>

Asian Health & Services Center
3430 SE Powell Blvd.
Portland, OR 97202
Tel: (503) 872-8822
Email: info@ahscpdx.org
Website: <http://www.ahscpdx.org>

Asian Health & Services Center
12500 SW Allen Blvd.
Beaverton, OR 97005
Tel: (503) 641-4113
Website: <http://www.ahscpdx.org>

Children's Cancer Association
433 NW 4th Ave., Suite 100
Portland, OR 97209
Tel: (503) 244-3141
Fax: (503) 892-1922
Email: office@JoyRx.org
Website: www.joyrx.org

International Refugee Center of Oregon
10301 NE Glison St.
Portland, OR 97220
Tel: (503) 234-1541
Website: <http://www.irco.org>

CULTURAL ORGANIZATIONS

Asian American Foundation of Oregon
P.O. Box 51117
Eugene, OR 97405
Website: <http://www.aaforegon.com/>

Asian Pacific American Network
of Oregon
922 N. Killingsworth Ave., Suite 2H
Portland, OR 97217
Tel: (503) 512-0274
Email: info@apano.org
Website: <http://apano.wordpress.com/>

Asian Pacific American Senior Coalition
(APASC)
1035 SE 35th Ave.
Portland, OR 97212
Tel: (503) 933-8319

Bodhi Tree Center
5403 SE Center St.
Portland, OR 97206
Tel: (503) 788-0336
Website: <http://www.bodhitreecenter.org>

Cambodian-American Community
of Oregon
P.O. Box 233
Beaverton, OR 97005-0233
Email: itgroup@cacoregon.org
Website: <http://www.cacoregon.org>

Cambodian Buddhist Society
19940 SW Stafford Rd.
West Linn, OR 97068
Tel: (503) 638-3700

Chinese American Citizens
Alliance – Portland
11453 SE Hazel Hill Rd.
Clackamas, OR 97086
Tel: (503) 925-5226
Email: info@cacaportland.org
Website: <http://www.cacaportland.org>

Chinese Baptist Church
1938 SE Ladd Ave.
Portland, OR 97214
Tel: (503) 234-2022

Chinese Christian & Missionary
Alliance
7435 SE Foster Rd.
Portland, OR 97206
Tel: (503) 775-2854
Email: pastors@portlandccma.org

Chinese Evangelical Church
5529 NW Five Oaks Dr.
Hillsboro, OR 97124
(503) 466-2762
Email: info@cechurch.org
Website: <http://www.cechurch.org>

Chinese Faith Baptist Church
1595 Greentree Road
Lake Oswego, OR 97034
Tel: (503) 236-8225
Email: [cfbc@chinesefaitth.org](mailto:cfbcc@chinesefaitth.org)
Website: <http://www.chinesefaitth.org>

Chinese Free Methodist Church
8406 SE Morrison St.
Portland, OR 97216
Tel: (503) 252-1065

Chinese Grace Baptist Church
6275 SW Hall
Beaverton, OR 97008
Tel: (503) 533-4314

Chinese Physicians
& Dentists Association
12016 SE Sunnyside Rd.
Clackamas, OR 97015

Chinese Presbyterian Church
4937 SE Woodstock Blvd.
Portland, OR 97206
Tel: (503) 771-7277

Filipino American Community Council
3718 NE 150th Ave.
Portland, OR 97230
Tel: (503) 257-6910

Filipino American Center of Portland
8917 SE Stark St.
Portland, OR 97216
Tel: (503) 253-7636

Greater Salem Filipino-American
Association
P.O. Box 2172
Salem, OR 97308

Japanese American Citizens
League – Portland Chapter
P.O. Box 86310
Portland, OR 97286
Tel: (877) 843-6914
Email: president@pdxjacl.org
Website: <http://www.pdxjacl.org>

Japan-America Society of Oregon
221 NW Second Ave., Suite 202
Portland, Oregon 97209
Tel: (503) 552-8811
Email: info@jaso.org
Website: <http://www.jaso.org>

Japanese United Methodist
Church-Epworth
1333 SE 28th Ave.
Portland, OR 97214
Tel: (503) 232-5253

CULTURAL ORGANIZATIONS (continued)

Korean American Citizens League
P.O. Box 3512
Portland, OR 97208
Email: public_affairs@kacl.org
Website: <http://www.kacl.org>

Korean Evangelical Church of Portland
7650 SW 81St.
Portland, OR 97223
Tel: (503) 244-9191

Korean First Southern Baptist Church
5755 SW Erickson Ave.
Beaverton, OR 97005
Tel: (503) 646-4455

Korean Mission Church of Oregon
9100 SW Wilshire St.
Portland, OR 97225
Tel: (503) 292-2294

Korean Oriental Mission Church of Oregon
11511 SW Bull Mountain Rd.
Portland, OR 97224
Tel: (503) 684-1219

Korean Presbyterian Church
18370 SW Shaw St.
Aloha, OR 97007
Tel: (503) 649-3990

Korean Society of Oregon
7650 SW 81st Ave.
Portland, OR 97223
Tel: (503) 977-2617
Email: info@koregon.org
Website: <http://www.koregon.org>

Lao American Foundation
11954 NE Glisan St. PMB 156
Portland, OR 97220
Email: info@laoamerican.us
Website: <http://www.laoamerican.us>

Lao Buddhist Association
4350 NE 133rd Ave.
Portland, OR 97230
Tel: (503) 252-8923

Lao Senior Association of Oregon
4350 NE 133rd Ave.
Portland, OR 97230
Tel: (503) 235-0135

Na Hawai'i - Hawai'i Cultural Awareness Education Inc.
P.O. Box 6001
Aloha, OR 97007
Tel: (503) 655-7243

Northwest Korean Culture Society
P.O. Box 6766
Portland, OR 97208
Tel: (503) 985-6527
Email: info@nkcs.org
Website: <http://www.nkcs.org/>

Northwest Tibetan Cultural Association
PO Box 13120
Portland, OR 97213
Tel: (503) 222-7172
Email: nwtca.president@gmail.com
Website: <http://www.nwtca.org/>

Oregon Buddhist Temple
3720 SE 34th Ave.
Portland, OR 97202
Tel: (503) 234-9456
Website: <http://www.oregonbuddhisttemple.com>

Oregon Coast Filipino American Association
P.O. Box 1244
Coos Bay, OR 97420
Email: info@ocfaa.net
Website: <http://ocfaa.net>

Oregon Nikkei Legacy Center
121 NW Second Street
Portland, OR 97209
Tel: (503) 224-1458
Email: info@oregonnikkei.org
Website: <http://www.oregonnikkei.org/>

Oregon Korean Community Center
12555 SW 4th Ave.
Beaverton, OR 97005
Tel: (503) 641-7887

Oregon Vietnamese Community Association
PO Box 7186
Aloha, OR 97007
Tel: (503) 806-7384

Pacific Island Council of Oregon
c/o Island Sports and Athletics
2336 SE 24th Ave.
Portland, OR 97214
Tel: (503) 680-1905
Email: info@picocamp.com
Website: <http://www.picocamp.com>

Portland Korean Church
933 SW Clay St.
Portland, OR 97201
Tel: (503) 227-7628

Portland Korean United Methodist Church
18788 SW Pilkington Rd
Lake Oswego, OR 97035
Tel: (503) 684-7070

Portland Taiwan Lutheran Church
12405 Butner Rd.
Beaverton, OR 97005
Tel: (503) 686-8014

Website: <http://www.ptlc.org>
South Asian Women's Empowerment & Resource Alliance
PO Box 91242
Portland, OR 97291
Tel: (503) 778-7386
Email: sawera@sawera.org
Website: <http://www.sawera.org>

Thai Association of Oregon
14775 NW Hataya Court
Portland, OR 97229
Tel: (503) 635-9393

Tongan Community of Portland
PO Box 13779
Mailing Address
Portland, OR 97213
Physical Address
4729 Ne Halsey St
Portland, OR 97213

Vietnamese Assembly of God Church
2720 SE 17th Ave.
Portland, OR 97202
Tel: (503) 231-9221

Vietnamese Baptist Church Of Aloha
511 SW 211th Ave.
Aloha, OR 97006
Tel: (503) 629-0188

Vietnamese Community of Oregon
P.O. Box 55416
Gresham, OR 97238
Tel: (503) 484-6728
Website: <http://www.congdongvietnamoregon.org>

STATE PROGRAMS

Oregon Breast and Cervical Cancer Program
800 NE Oregon Street, Suite 360
Portland, OR 97232
Tel: (877) 255-7070
Website: <http://www.oregon.gov/DHS/ph/bcc>

Oregon Comprehensive Cancer Control Program
800 N.E. Oregon Street, Suite 730
Portland, OR 97232
Tel: (971) 673-0984
Website: <http://www.oregon.gov/DHS/ph/cancer>

Oregon State Cancer Registry
800 N.E. Oregon Street, Suite 730
Portland, OR 97232
Tel: (971) 673-0986
Website: <http://www.oregon.gov/DHS/ph/oscar>

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

⁶ Patil M, Pliska JM. *Cancer in Oregon, 2010: Annual Report on Cancer Incidence and Mortality among Oregonians*. Oregon State Cancer Registry, Public Health Division, Oregon Health Authority, Portland, Oregon, 2013.