



CALIFORNIA CANCER REGISTRY FACT SHEET

THYROID CANCER

Thyroid cancer is a cancer that starts in the thyroid gland. This gland is located at the front of your neck beneath your voice box (larynx). The thyroid produces hormones that regulate the body's metabolism rate and other systems in the body.

Thyroid Cancer Incidence and Mortality Rates, California, 2006–2010

Between 2006 and 2010, women in California had a thyroid cancer incidence rate that was nearly triple the rate seen in men during that same period (16.1 versus 5.5 new cases per 100,000 persons, respectively). The thyroid cancer mortality rates, however, were nearly the same for men and women in California (0.5 deaths per 100,000 males per year and 0.6 deaths per 100,000 females per year).

BY THE NUMBERS

Thyroid Cancer in California

4,835

The number of new thyroid cancer cases expected in California in 2013.

210

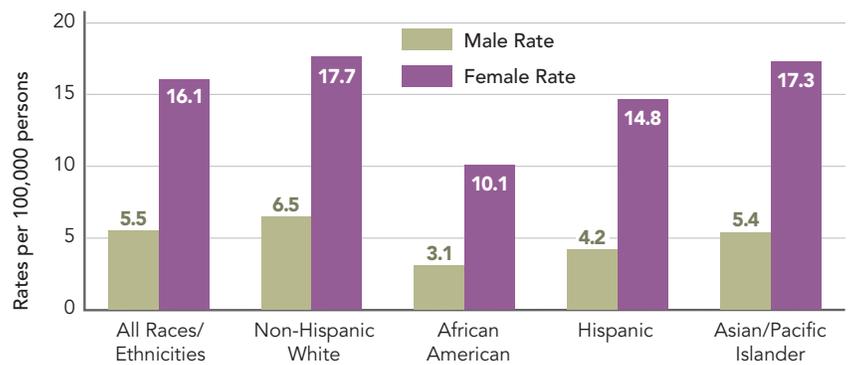
The number of deaths from thyroid cancer expected in California in 2013.

#5

Thyroid cancer's ranking on the list of most commonly diagnosed cancers for California women in 2010.*

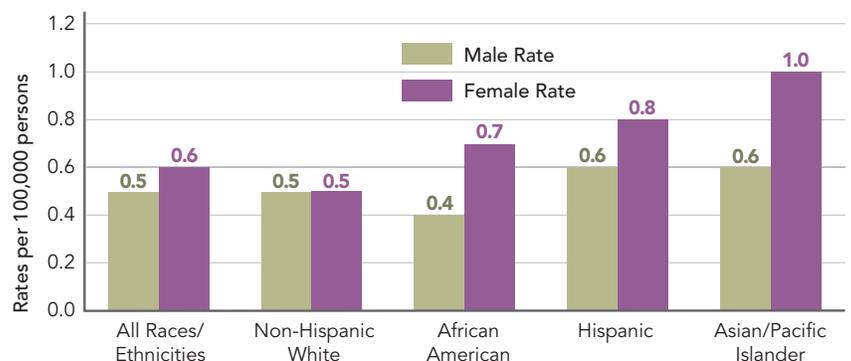
* However, thyroid cancer was not among the top ten causes of cancer deaths (mortality) for women, nor did it rank among the ten most-commonly diagnosed cancers or the top ten causes of cancer deaths for men.

Thyroid Cancer Incidence Rates, California 2006–2010*



With respect to race/ethnicity, non-Hispanic white males and females had the highest incidence rates (6.5 new cases and 17.7 new cases per 100,000 persons, respectively) and Hispanic and Asian/Pacific Islander males and Asian/Pacific Islander females had the highest mortality rates (0.6 deaths, 0.6 deaths, and 1.0 deaths per 100,000 persons, respectively) in the state.

Thyroid Cancer Mortality Rates, California 2006–2010*



* Rates are age-adjusted to the 2000 U.S. Population.
Source: California Cancer Registry, California Department of Public Health.
Prepared by the California Department of Public Health, California Cancer Registry.

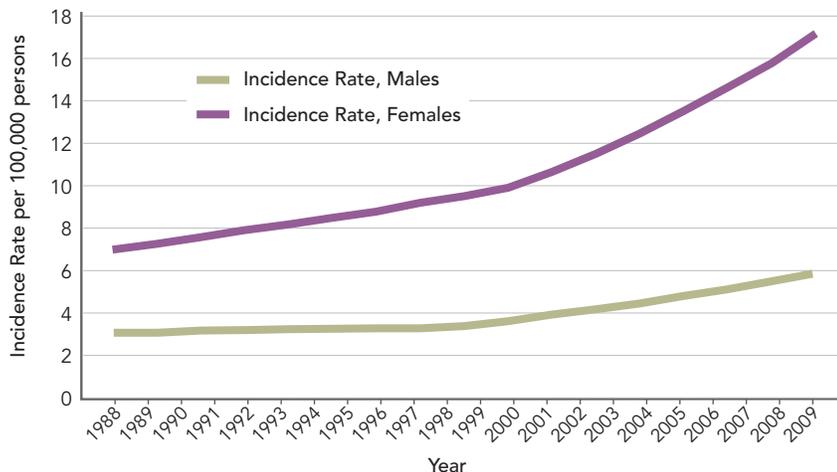
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THYROID CANCER

Trends in Thyroid Cancer Incidence and Mortality, California, 1988–2009

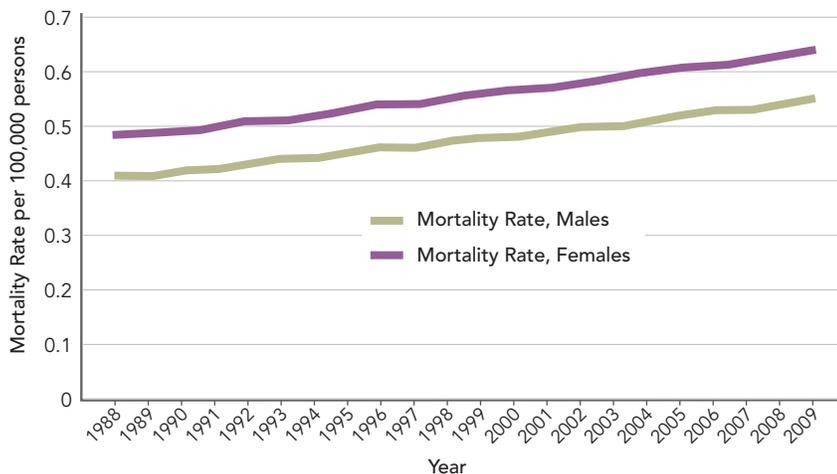
Thyroid cancer incidence in males in California increased slightly between 1988 and 1998, and then began increasing at a statistically significant rate from 1998 through 2009. Among females, the thyroid cancer incidence rate has increased at a statistically significant rate from 1988 through 2009.

Thyroid Cancer Incidence Trends, California 1988–2009*



The thyroid cancer mortality rate for both males and females, while relatively low overall, has increased at a statistically significant rate from 1988 through 2009.

Thyroid Cancer Mortality Trends, California 1988–2009*



* Rates are age-adjusted to the 2000 U.S. Population.
Source: California Cancer Registry, California Department of Public Health.
Prepared by the California Department of Public Health, California Cancer Registry.

Thyroid Cancer in California

Five-Year Relative Survival Rates

CALIFORNIA, 2001–2010

If diagnosed when the tumor is:

The 5-Year Survival Rate* is:

Localized

The tumor has broken through the basement membrane, but is still confined to the thyroid.

100%

Regional

The tumor has spread to the lymph nodes or adjacent tissues.

98%

Distant

The tumor has metastasized, or spread to other parts of the body.

59%

Overall 5-Year Relative Survival Rate for Thyroid Cancer in California:

97%

* Follow-up is through December 2010. Cancers that were unstaged at time of diagnosis are excluded.

Risk Factors

Certain factors have been shown to be associated with an increased risk of certain types of cancer. The majority of known cancer risk factors are related to individual characteristics (such as age, race/ethnicity, or family history/genetic susceptibility) and behaviors (such as smoking, diet, physical inactivity, unsafe sex, and sun exposure).

For more information

on thyroid cancer risk factors, prevention, screening, symptoms, and treatment:

❖ National Cancer Institute

Check out the NCI's *What You Need to Know About™* Cancer Index at:

www.cancer.gov/cancertopics/wyntk

or call the NCI Cancer Information Service:

1-800-4-CANCER

❖ Centers for Disease Control and Prevention

www.cdc.gov

❖ American Cancer Society (ACS)

www.cancer.org

1-800-227-2345

