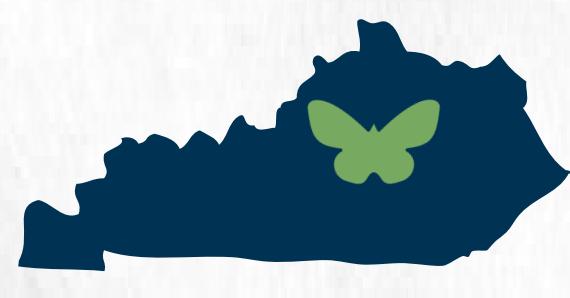


Thyroid Cancer

is the most rapidly increasing cancer in the U.S. with **62,980 new cases predicted in 2014.**

Thyroid cancer forms in the **thyroid gland**, a butterfly shaped gland in the front part of the neck.


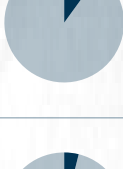
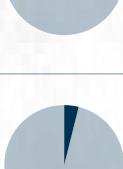
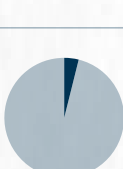

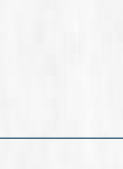


298,000

diagnosed cases per year, roughly the population of Lexington, KY.

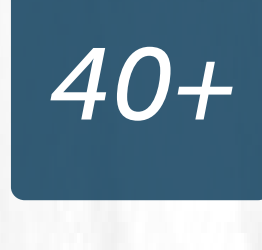
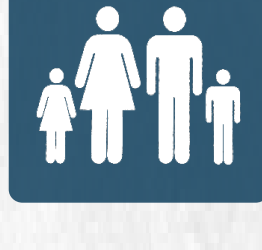
In the US, the incidence of thyroid cancer has been **increasing at an average rate of 6.4% each year.** The US, followed by China, has the highest number of new cases of thyroid cancer per year, globally.

Common Types

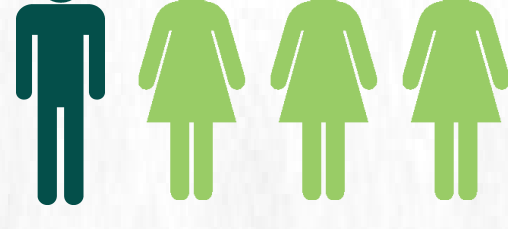
Types of thyroid cancer	% of thyroid cancer cases
Papillary	 75-85%
Follicular	 10-15%
Hürthle cell carcinoma	 3%
Poorly Differentiated Thyroid Carcinoma	 1-6%
Medullary	 5%
Anaplastic	 1-2%

Risk Factors

radiation
diet low in iodine
hereditary conditions
family history
gender and age



Nearly 2/3 of cases of thyroid cancer are found in people **younger than 55 years of age.**



Women are **three times more** likely to develop thyroid cancer.

Symptoms

There are often physical signs of thyroid cancer present such as **lumps, swelling, or nodules.**

Other symptoms of thyroid cancer only tend to occur after the condition has reached an advanced stage:

- **neck pain,**
- **voice changes,**
- **persistent cough,**
- **difficulty breathing,**
- **dysphagia (difficulty swallowing)**



Treatment

radioactive iodine treatment
External Beam Radiation
thyroid hormone therapy

chemotherapy

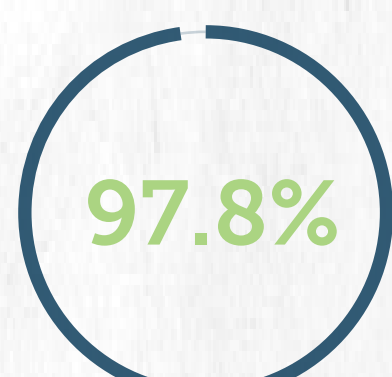
surgery

targeted therapy

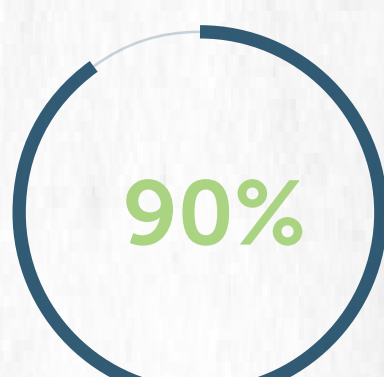
Prognosis

The prognosis of patients diagnosed with thyroid cancer varies according to both the type of thyroid cancer and the stage of the disease at diagnosis. For all thyroid tumor types diagnosed at stage I or II, prognosis is excellent, with 5 year survival approaching 100%.

Five year survival rate (papillary thyroid cancer):



Stage I or II



Stage III



Stage IV

Future Development

Recent approvals for the targeted therapies have provided treatment options for patients with advanced and aggressive thyroid cancers who would otherwise have only palliative care options available to them. Currently, there are

91

Clinical Trials

40,283

Patients

Learn more in ISR's *Thyroid Cancer: Disease and Pipeline Analysis.*